

## FACULTY PROFILE

<b>Name</b>	<b>:</b>	<b>Dr. Basavaprabhu G. Sheeparamatti</b>	
<b>Designation</b>	<b>:</b>	Professor	
<b>Department</b>	<b>:</b>	Electronics and Communication Engineering	
<b>Employee ID</b>	<b>:</b>	1-462211277	
<b>E mail ID</b>	<b>:</b>	bgsec@becbgk.edu, b.g.sheeparamatti@gmail.com	
<b>Contact details</b>	<b>:</b>	+91-9448789302	
<b>Orcid ID</b>	<b>:</b>	0000-0003-1130-4838	
<b>Scopus ID</b>	<b>:</b>	13805600200	
<b>Vidwan Id</b>	<b>:</b>	125085	
<b>Researcher ID (Web of Science)</b>	<b>:</b>	AAH-9611-2021	
<b>Google Scholar ID</b>	<b>:</b>	E7JK67gAAAAJ	
<b>Qualification</b>	<b>:</b>	B.E.(E&CE), M.Tech.(Biomedical Engg.), Ph.D.(MEMS)	
<b>Professional Experience</b>			
	Teaching experience	<b>:</b>	32 years
	Industry experience	<b>:</b>	02 years
<b>Administrative Responsibilities</b>	<b>:</b>	<ol style="list-style-type: none"> <li>1. Worked as Coordinator ACME (Association for Communication and Modern Electronics), E &amp;CE student association from 1990-1994.</li> <li>2. Worked as organizing committee member and evaluator in “9th all Karnataka Children’s Science Congress” in association with KRVP, 20-22 Dec 2001.</li> <li>3. Worked as Coordinator, KRVP unit of Basaveshwar Engineering College, Bagalkot.</li> <li>4. Worked as evaluator for MAHITI SINDHU program of Karnataka Govt.</li> <li>5. Worked as treasurer of The Planetary Society of Youth, Bagalkot from Oct 2005 to March 2007.</li> <li>6. Worked as warden Engineering Boys Hostel, Basaveshwar Engineering College, Bagalkot, from Oct. 2000 to Oct. 2007.</li> <li>7. Worked as member, Bagalkot District Science KRVP Unit during 2008-2010.</li> <li>8. Worked as executive secretary of The Planetary Society of Youth, Bagalkot from March 2007 to March 2009.</li> <li>9. Worked as a BEC web site in-charge (<a href="http://www.becbgk.edu">http://www.becbgk.edu</a>) from Aug.2006 to Jan 2012</li> <li>10. Worked as member of squad team of VTU for the UG/PG exam. June/July 2008.</li> </ol>	

		<ol style="list-style-type: none"> <li>11. Working as member BOS of E &amp; CE dept of Basaveshwar Engineering College, Bagalkot since 2008</li> <li>12. Worked as BOE Co-ordinator of E &amp; CE dept of Basaveshwar Engineering College, Bagalkot for the academic year 2011-12</li> <li>13. Worked as BOS member of E &amp; CE Dept. PDA College of Engineering, Gulbarga for the years 2017-18 to 2018-19</li> <li>14. Worked as BOS member of E &amp; CE Dept. SDM College of Engineering, Dharwad for the years 2017-18 to 2018-19</li> <li>15. Worked as HOD of E &amp; IE Engineering, Basaveshwara Engineering College, Bagalkot from 12<sup>th</sup> Jan 2017 to 2<sup>nd</sup> Jan 2019</li> <li>16. Working as coordinator for Basaveshwar Engineering College FM Radio Station (BEC Dhvani) since 2018</li> <li>17. Working as a member, Prasaranga (A wing of VTU for Technical Book Publication in Kannada language ~ Janapriya Tantrika Shikshana Male Nalkane Sarani), VTU, Belagaon, during 2020-21</li> <li>18. Working as Co-ordinator, for MEMS Design Centre, E &amp; CE Dept., Basaveshwar Engineering College, Bagalkot, under the NMDC (National MEMS Design Centre) programme of Govt. of India, since Dec. 2009</li> </ol>
<b>Teaching</b>	:	UG, PG and Research
<b>No. of Projects Guided</b>		
UG	:	50
PG	:	25
<b>Research</b>		
Interest Area	:	Micro Electro Mechanical Systems, Embedded Systems
<b>No. of Research Scholars</b>		
Pursuing	:	07
Awarded	:	05
<b>Patents</b>	:	
<b>Research Grants</b>	:	<ol style="list-style-type: none"> <li>1. AICTE research grant under Research Promotion Scheme No. 8023/RID/RPS-8/Pvt (II Policy) / 2011-12 for the year 2012-2014 for “<b>Design and Fabrication of Low cost Polymer Microcantilevers</b>”</li> <li>2. <b>MEMS Design Centre</b>, under the NMDC (National MEMS Design Centre) programme of Govt. of India, 2009 -2013</li> </ol>
<b>Publications Books/Chapters</b>	:	<ol style="list-style-type: none"> <li>1. <i>Vaidyakeeya Upakaranagalu mattu Avugala Upayogagalu – ವೈದ್ಯಕೀಯ ಉಪಕರಣಗಳು ಮತ್ತು ಅವುಗಳ ಉಪಯೋಗ</i> (Medical Equipments and their Application) a book published by Visveswaraya Technological University, Belgaum Karnataka (2006) written in Kannada language for common man.</li> <li>2. <i>Biomimetics : nisargada tantrajnanu - ಬಯೋಮಿಮೆಟಿಕ್ಸ್-ನಿಸರ್ಗದ ತಂತ್ರಜ್ಞಾನ</i> (Biomimetics : Technology of Nature) a book published by Visveswaraya Technological University, Belgaum, Karnataka (2011) written in Kannada language for common man.</li> <li>3. <i>Agaadha Srusti – ಅಗಾಧ ಸೃಷ್ಟಿ</i> (A book based on Stephan Hawking’s THE GRAND DESIGN), written in Kannada and published by Aditya Publications, Belgaum, 2014</li> <li>4. <i>Devanobba Beke? – ದೇವನೊಬ್ಬ ಬೇಕೆ?</i> (A book inspired by The Mind of God : Science and the Search for Ultimate Meaning by Paul Davis), written in Kannada and published by Desi Prakashana, Bangalore, 2016. (ISBN : 978-93-81577-44-8)</li> <li>5. <i>Chamatkari Deha, Vismayakari Manassu, Vishwmbhari Prajne – ಚಮತ್ಕಾರಿ ದೇಹ, ವಿಸ್ಮಯಕಾರಿ ಮನಸ್ಸು, ವಿಶ್ವಂಭರಿ ಪ್ರಜ್ಞೆ</i> (Amazing facts about human body, mind and consciousness and related science and philosophy) written in</li> </ol>

	<p>Kannada and published by Desi Prakashana, Bangalore, 2016. (ISBN : 978-93-81577-56-1)</p> <ol style="list-style-type: none"> <li>6. <i>Nakshatra Veekshaneya Nurentu Prashnegalu</i> – ನಕ್ಷತ್ರವೀಕ್ಷಣೆಯ ನೂರಂಟು ಪ್ರಶ್ನೆಗಳು, a book published by Visveswaraya Technological University, Belgaum, Karnataka (2021) written in Kannada language for common man.</li> <li>7. <i>Shakha Yantra - Thermodynamics – Kaal : Ondu Vivechane</i> – ಶಾಖ ಯಂತ್ರ-ಠರ್ಮೋಡೈನಾಮಿಕ್ಸ್-ಕಾಲ : ಒಂದು ವಿವೇಚನೆ, a book published by Visveswaraya Technological University, Belgaum, Karnataka (2021) written in Kannada language for common man.</li> <li>8. <i>Vidyunman Samparka Saadhanagalu</i> – ವಿದ್ಯುನ್ಮಾನ ಸಂಪರ್ಕ ಸಾಧನಗಳು, a book published by Visveswaraya Technological University, Belgaum, Karnataka (2021) written in Kannada language for common man.</li> <li>9. <i>Samudaay Baanuli Kendragala Rachne, Tantrajnan Mattu Vyapti</i> – ಸಮುದಾಯ ಬಾನುಲಿ ಕೇಂದ್ರಗಳ ರಚನೆ, ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ವ್ಯಾಪ್ತಿ, a book published by Visveswaraya Technological University, Belgaum, Karnataka (2021) written in Kannada language for common man.</li> <li>10. <i>Nityajeevanadalli Savedakagala Tantrajnanana</i> – ನಿತ್ಯಜೀವನದಲ್ಲಿ ಸಂವೇದಕಗಳ ತಂತ್ರಜ್ಞಾನ, a book published by Visveswaraya Technological University, Belgaum, Karnataka (2021) written in Kannada language for common man.</li> <li>11. <i>Shunyadatta Vijnanada Chitta</i> - ಶೂನ್ಯದತ್ತ ವಿಜ್ಞಾನದ ಚಿತ್ತ: The Science behind Nothing (A book inspired by Something called Nothing and Nothing: A short Introduction), written in Kannada and published by Shakti Printers and Publishers, Bangalore, 2021</li> </ol>
<p><b>Journals (with citations)</b> :</p>	<ol style="list-style-type: none"> <li>1. <b>Sheeparamatti B. G.</b>, Hebbal M. S, Rajeshwari Sheeparamatti, Math V. B, Kadadevaramath J.S, “Simulation of Biosensor using FEM”, On-line Journal; Journal of Physics: Conference Series Vol. 34, 2006, pp 241-246 (International MEMS Conference 2006) <a href="http://www.iop.org/EJ/toc/1742-6596/34/1">http://www.iop.org/EJ/toc/1742-6596/34/1</a></li> <li>2. <b>Sheeparamatti B.G.</b>, Angadi. S. A, Rajeshwari Sheeparamatti, Kadadevaramath J.S “Teaching and Learning framework for MEMS Education”, On-line Journal; Journal of Physics: Conference Series Vol. 34, 2006, pp 247-252 (International MEMS Conference 2006) <a href="http://www.iop.org/EJ/toc/1742-6596/34/1">http://www.iop.org/EJ/toc/1742-6596/34/1</a></li> <li>3. <b>B. G. Sheeparamatti</b>, R. B. Sheeparamatti, J. S. Kadadevaramath, “Nanotechnology: Inspiration from Nature”, IETE Technical Review, Vol. 24, No.1, January-February 2007, pp 5-8.</li> <li>4. Chayalaxmi C. L., Krishnamurthy Bhat and <b>B.G. Sheeparamatti</b>, “Tilt Angle Measurement using Accelerometer IC and Communicating the Data between ARM processors using CAN Protocol” Journal of the Instrument Society of India, Vol. 38, No. 2, pp156-164 (15<sup>th</sup> June 2008).</li> <li>5. <b>B. G. Sheeparamatti</b>, J. S. Kadadevaramath, M.S. Hebbal, “FEM Simulation of Novel Thermal Micro actuator”, International Journal of Recent Trends in Engineering (Electrical &amp; Electronics), Vol. 1, No. 4, June 2009, pp-79-81.</li> <li>6. M S Hebbal, V B Math, <b>B G Sheeparamatti</b>, “A study on reducing the root fillet stress in spur gear using internal stress relieving features of different shapes”, International Journal of Recent Trends in Engineering (Mechanical Engineering), Vol. 1, No. 5, June 2009, pp-163-165.</li> <li>7. Sujata N Naduvinamani, <b>B. G. Sheeparamatti</b> and Sandeep V. Kalalbandi, “Simulation of cantilever based RF-MEMS switch using CoventorWare”, World Journal of Science and Technology 2011, 1(8):149-153, ISSN;2231-2587</li> <li>8. <b>Sheeparamatti B G</b>, Shobha R Patil, V S Khedagi, “PCA An Effective Dimensionality Production Technique”, Global Journal of Mechanical Engineering and Computational Science, ISSN: 2249-3468-2011:1(4), Rising Research Journal Publication, pp-18-21.</li> <li>9. Rajeshwari Sheeparamatti, S V Halse, K.M Vinayaka Swamy, Shivashankar A Huddar, <b>B G Sheeparamatti</b>, “Pull-in Voltage study of Microcantilever using ANSYS/Multiphysics &amp; COMSOL/Multiphysics”, Journal of Computer and</li> </ol>

- Mathematical Sciences Vol. 3, Issue 3, 30 June, 2012, ISSN:0976-5727, pp 288-293.
10. Rachita Shettar, **B G Sheeparamatti**, "Survey on RF-MEMS Switches and its Applications", International Journal of Innovative Research and Studies(IJIRS), ISSN: 2319-9725, Vol. 2, Issue 8, Aug. 2013, pp 164-182.
  11. Raghavendra Nagaralli, Kirankumar B Balavalad, **B G Sheeparamatti**, "Modeling of Implantable Blood Pressure and Protein Sensor using COMSOL/Multiphysics", International Journal of Innovative Research and Studies(IJIRS), ISSN: 2319-9725, Vol. 2, Issue 9, Sept. 2013, pp 1-10.
  12. Vinay Shettar, Sneha B Kotin, Kirankumar B B, **B G Sheeparamatti**, "Simulation of Different Pressure Sensors", International Journal of Multidisciplinary Research and Advances in Engineering(IJMRAE), ISSN 0975-7074, Vol 6, No. II(April 2014), pp 73-81.
  13. Manjula Sutagundar, **B G Sheeparamatti**, "Research Issues in MEMS Resonators", Research Inventory, International Journal of Engineering and Science, Vol. 4, Issue 8, August 2014.
  14. Kirankumar B Balavalad, **B. G. Sheeparamatti**. "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](http://www.ijert.org)
  15. Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "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
  16. Siddarud Bannikoppa, Ajayakumar C. Katageri, **B G Sheeparamatti**, "A Critical review of Carbon Nanotube based MEMS Piezoresistive Pressure Sensor for Medical Application", International Journal of Engineering Research in Electronics and Communication Engineering(IJERECE) Vol 2. June 2015
  17. Kirankumar B. Balavalad, Bhagyashree Mudhol, **B. G. Sheeparamatti** 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](http://www.ijert.org).
  18. Ajayakumar C. Katageri, **B. G. Sheeparamatti**, "Carbon Nanotube based Piezoresistive Pressure Sensor for Wide Range Pressure Sensing Applications- A Review", Published in International Journal of Engineering Research and Technology (IJERT), pp. 665-671, volume 4, Issue 8, ISSN: 2278-0181, August, 2015.
  19. **B G Sheeparamatti**, M N Patil, Prashant Hanashi, "Simulation of Electrostatic Microactuator with Two Sided Electrodes", Journal of Mechatronics and Automation, 2015(1 to 6), Volume 2, Issue 1, pp- 1-6
  20. Kirankumar B. Balavalad & **B. G. Sheeparamatti**, "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](http://www.ijert.org).
  21. Shweta Meti, Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "MEMS Piezoresistive pressure Sensors: A survey", International Journal of Engineering Research and Applications(IJERA Journal), Vol.6, Issue 4, April 2016, ISSN:2248-9622, [www.ijera.com](http://www.ijera.com)
  22. Shwetha Meti, Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "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
  23. 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.
  24. 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.

	<ol style="list-style-type: none"> <li>25. Kirankumar B Balavalad, <b>B G Sheeparamatti</b> 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.</li> <li>26. Shivashankar Huddar, <b>B.G. Sheeparamatti</b>, Pooja Patil, Girija Hallikeri, Vishal Hampannavar “Analysis of Pull-in Voltage with Respect to Changes in Dielectric Material and their Thickness”. Recent Trends in Electronics &amp; Communication Systems (RTECS -2015) 1-5, STM Journals, Volume 2, Issue 1, ISSN: 2393-8757.</li> <li>27. Shivashankar Huddar, <b>B.G. Sheeparamatti</b>, Girija Hallikeri, Krithika Shetty, Pooja Patil “Analysis of MEMS electrostatic actuator using SIMULINK software tool”. Journal of Instrumentation Technology &amp; Innovation (JITI -2015) 32-35, STM Journals, Volume 5, Issue 1, ISSN: 2249-4731.</li> <li>28. Manjula Sutagundar, <b>B.G. Sheeparamatti</b>, D.S. Jangamshetti “ANN Modeling of Motional Resistance for Micro Disk Resonator,” International Journal of Applied Evolutionary Computation, Volume 8, Issue 4 , October-December 2017</li> <li>29. Manjula Sutagundar, <b>B.G. Sheeparamatti</b>, D.S. Jangamshetti, “Multi-objective Design Optimization of Microdisk Resonator”, Journal of Nanoscience and Nanotechnology-Asia (In Press)</li> <li>30. Kirankumar B. Balavalad and <b>B. G. Sheeparamatti</b>, “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.</li> <li>31. Maheshwari S Biradar, <b>B.G. Sheeparamatti</b>, P. M. Patil, “ Fabric Defect Detection using Convolutional Neural Network and Support Vector Machine” , Journal of Advanced Research in Dynamical and Control System(JARDCS) ISSN 1943-023X, Issue: 07-Special Issue, 2018, PP 1453-1460 (Scopus Indexed)</li> <li>32. Maheshwari S. Biradar, <b>B. G. Sheeparamatti</b>, P. M. Patil, “Defect Detection and Classification in Patterned Fabric using Variational Mode Image Decomposition and Neural Network”, Journal Emerging Technologies &amp; Innovative research, Volume 5, Issue 10, PP 769-774, October 2018. (UGC Approved Journal)</li> <li>33. Maheshwari S. Biradar, <b>B. G. Sheeparamatti</b>, P. M. Patil , “Pattern Fabric Defect Detection Using Regular Band and Classification by Neural Network” IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019), ISSN: 2393-9028 (PRINT)   ISSN: 2348-2281 (ONLINE) Pg. 587-591</li> <li>34. Maheshwari S. Biradar, Basavaprabhu G. Sheeparamatti, Pradeep Mitharam Patil , “Fabric Defect Detection Using Competitive Cat Swarm Optimizer Based RideNN and Deep Neuro Fuzzy Network”, Sensing and Imaging (2022) 23:3, Springer, <a href="https://doi.org/10.1007/s11220-021-00370-2">https://doi.org/10.1007/s11220-021-00370-2</a></li> </ol>
<b>Conferences</b>	<ol style="list-style-type: none"> <li>1. Dr. Sanjeev Dasarao, <b>B.G. Sheeparamatti</b>, “Defining the control Problems in a failing heart, with or without circulatory assist devices” 45<sup>th</sup> Annual Conference Indian Association of Cardiovascular- Thoracic Surgeons, Bhopal during 25<sup>th</sup> to 28<sup>th</sup> Feb. 1999</li> <li>2. <b>B.G. Sheeparamatti</b>, C.M.Javalagi, S.B.Kerur, “Manufacturing Micro and Nano Structures”, National seminar on Recent Advances in Automation in Manufacturing organized by Institute of Engineers Mangalore Local Center and NMAM Institute of Technology, Nitte on 16<sup>th</sup> Feb. 2002, pp.109-114.</li> <li>3. <b>B.G. Sheeparamatti</b>, Shashidhar Patil, Rajeshwari B.S, “Think about Environment Before Designing a Product”, ISTE 32<sup>nd</sup> Annual Convention and National Seminar 27-29 Dec, 2002, NMAM Institute of Technology Nitte (Poster presentation)</li> <li>4. Shashidhar Patil, Kamala Patil, <b>B.G. Sheeparamatti</b>, “Environmental Aspects of Electrical Energy Generation”, ISTE 32<sup>nd</sup> Annual Convention and National Seminar 27-29 Dec, 2002, NMAM Institute of Technology Nitte (Paper presentation)</li> <li>5. S.A. Angadi, C.M.Javalagi, <b>B.G. Sheeparamatti</b>, “ Synergy of Technical Education System and Society: A pre-requisite for sustainable growth”, ISTE 32<sup>nd</sup> Annual Convention and National Seminar 27-29 Dec, 2002, NMAM Institute of Technology Nitte (Paper presentation)</li> <li>6. <b>Sheeparamatti B.G</b>, Angadi S. A, “Embedded System Simulation: An Architecture</li> </ol>

	<p>for a Generic Tool”, International Conference on Digital Aided Modeling and Simulation (DAMS-2003) 6-8 Jan 2003, pg 88.</p> <ol style="list-style-type: none"> <li>7. Kambalimath S.G, Sheeparamatti R.B, <b>Sheeparamatti B.G</b>, “Modeling and simulation of Walsh Hadamard Transform using VLSI , International Conference on Digital Aided Modeling and Simulation (DAMS-2003) 6-8 Jan 2003, pg 77</li> <li>8. <b>B.G.Sheeparamatti</b>, Shashidhar Patil, S.A.Angadi, “Think about Environment Before Manufacturing”, National Conference on World Class Manufacturing (WCM 2003) 7-9 May 2003, Organized by Amrita Institute of Technology and Science, Coimbatore.</li> <li>9. <b>B.G.Sheeparamatti</b>, M.S.Hebbal, P.V.Hunagund, “MEMS in Human Machine interface: Design and Modeling approach”, Proceedings of International conference on Human Machine Interfaces (ICHMI) 2004, at IISc Bangalore. Dec 20-23 2004. Pp.207-215</li> <li>10. <b>Sheeparamatti B.G.</b>, J.Shrinivas J., Anand Rao M. “MEMS switches: Analysis and Design”, Proceedings of National conference on Biomedical Engineering NCBME-2004, 23-24 Dec. 2004, GITIAM Vishakhapattanam.</li> <li>11. <b>Sheeparamatti B.G</b>, Hebbal M.S, Kadadevaramath J.S, “ FEM modeling of MEMS based sensor for sensing Antibody/Antigen” Proceedings of International Conference on materials, structures and systems organized by Institute of Smart Structures and Systems(ISSS), IISc Bangalore July 28-30, 2005. Pp SD 34-39.</li> <li>12. <b>Sheeparamatti B.G</b>, Rajeshwari Sheeparamatti, Kadadevaramath J.S, “MEMS based Microcantilever Sensors and Actuators: Nuclear Microbatteries ” National Conference on Emerging Technologies and Applications (ETA-2005) organized by Saurashtra University, Rajkot and Amoghsiddhi Education Society Sangli during 1-2 Oct. 2005</li> <li>13. Rajeshwari Sheeparamatti, Vijayashri Budyal, <b>Sheeparamatti B.G</b>, “Implementation of I2C protocol using PIC Microcontroller” National Conference on Emerging Technologies and Applications (ETA-2005) organized by Saurashtra University, Rajkot and Amoghsiddhi Education Society Sangli during 1-2 Oct. 2005</li> <li>14. <b>Sheeparamatti B.G</b>, Rajeshwari Sheeparamatti, Kadadevaramath J.S, “Micro and NanoCantilevers for Sensing and Actuating applications” Proceedings of National Conference On Communication and Computational Techniques: Current and Future Trends (NCCT-06), Organized by Dehradun Institute of Technology, Dehradun, during 10<sup>th</sup> -11<sup>th</sup> Feb. 2006, pp- 502-505</li> <li>15. <b>Sheeparamatti B.G</b>, Hebbal M.S, Rajeshwari Sheeparamatti, Math V.B, Kadadevaramath J.S, “Simulation of Biosensor using FEM”, (oral presentation) proceedings of the International Conference on MEMS (IMEMS-06), NTU Singapore during 9<sup>th</sup> to 12<sup>th</sup> May 2006</li> <li>16. <b>Sheeparamatti B.G</b>, Angadi.S.A, Rajeshwari Sheeparamatti, Kadadevaramath J.S “Teaching – Learning framework for MEMS Education”, (poster presentation) proceedings of the International Conference on MEMS (IMEMS-06) NTU Singapore during 9<sup>th</sup> to 12<sup>th</sup> May 2006</li> <li>17. Chayalakshmi C.L, Krishnamurthy Bhat, <b>B.G.Sheeparamatti</b>, “Tilt angle Measurement using ARM processor and Transmission of data using CAN protocol”, Proceedings of National symposium on instrumentation NSI-31 at ITM, Gwalior, MP, India during 12<sup>th</sup> to 15<sup>th</sup> Oct. 2006</li> <li>18. Chayalakshmi C.L, Krishnamurthy Bhat, <b>B.G.Sheeparamatti</b>, “Acceleration and Tilt Angle Measurement using accelerometer IC and Transmission of Data using CAN protocol”, Proceedings of 3<sup>rd</sup> Control and Instrumentation Systems Conference-CISCON-06 at Manipal Institute of Technology, Manipal, Karnataka during 3<sup>rd</sup> to 4<sup>th</sup> Nov. 2006.</li> <li>19. Shashidhar Patil, <b>B.G.Sheeparamatti</b>, “ Products Flooding our Daily Life; Do We Really Need Them ?” Proceedings of the International Symposium (Technomillennium- 2006) for Engineering, Technology, Architecture Students, Faculty and Industry Persons at MIT Aurangabad, Maharashtra during 15<sup>th</sup> to 17<sup>th</sup> Sept. 2006</li> <li>20. Amrut. A Yalagi , <b>Basavaprabhu G. Sheeparamatti</b>, “Motivating Public/Mass to Explore Space” selected for oral/poster presentation in the IAC 2006, Valencia, Spain during 2<sup>nd</sup> -6<sup>th</sup> Oct 2006.</li> </ol>
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21. R.B.Sheeparamatti, **B. G. Sheeparamatti**, Manjula Bharamagoudar, Nayan Ambali, "Simulink model for Double Buffering" 32<sup>nd</sup> Annual International Conference of the IEEE Industrial Electronics Society (IECON-2006) from 7 to 10 Nov. 2006 at Paris.
22. **B. G. Sheeparamatti**, J.S.Kadadevaramath, M.S.Hebbal, "FEM Simulation of Microcantilever based Thermal Microactuator" National Conference on Recent Advances in Design Engineering (RADE 2007) organized by Manipal Institute of Technology, Manipal during February 22 – 24, 2007.
23. **Basavaprabhu G. Sheeparamatti**, Jagadish. S. Kadadevaramath, M. S. Hebbal, Rajeshwari Sheeparamatti, "Modeling and Simulation of Microcantilever Beams for sensing and Actuating Applications" in proceedings 9<sup>th</sup> US National Congress on Computational Mechanics, Session 77: New Actuators and Mechanisms, pp-37.
24. Mallappa Hebbal, Vinay Math, **Basavaprabhu Sheeparamatti** "The Reduction of Root Fillet Stress in spur Gear using circular and elliptical stress relieving features" in proceedings of the 9<sup>th</sup> US National Congress on Computational Mechanics under Session 077, New Actuators and Mechanisms.
25. **B. G. Sheeparamatti**, J.S.Kaddadevaramath, Amrut Yalagi "A survey of MEMS used in space applications", in the proceedings of 58<sup>th</sup> International Astronautical Congress, September 24-28, 2007, Hyderabad, India, pp-166.
26. **B. G. Sheeparamatti**, J.S.Kaddadevaramath, R.B.Sheeparamatti, "MicroCantilevers for Bio and Chemical Sensing" in the 8<sup>th</sup> Workshop on Biosensors and Bioanalytical  $\mu$ -techniques in Environmental and Clinical analysis at BITS Pilani Goa Campus during 3<sup>rd</sup> -6<sup>th</sup> Oct 2007
27. **B. G. Sheeparamatti**, J.S.Kaddadevaramath, R.B.Sheeparamatti, "Simulink Model for Microcantilever Beams Used in Bio-Sensing Applications" 2<sup>nd</sup> ISSS National Conference on MEMS, Microsensors, Smart Materials, Structures and Systems (ISSS-MEMS 2007), CEERI, Pilani during 16-17 November 2007, pp-38.
28. **B. G. Sheeparamatti**, J.S.Kaddadevaramath, R.B.Sheeparamatti, "Modeling of Microcantilever based Nuclear Microbatteries", NSTI Nanotech-2008, 11<sup>th</sup> Annual Conference, 1-5 June 2008, Boston, Massachusetts, USA
29. S T Halakatti, **B. G. Sheeparamatti**, R B Sheeparamatti, S A Angadi, "Optimization of Comb-drive actuator using Neural Networks", proceedings of International Conference on Electronic Design and Signal Processing- ICEDSP-2009, 18-20 Dec. 2009 organised by MIT Manipal.
30. Sujata Naduvinamani, **B. G. Sheeparamatti**, Sandeep Kalalbandi, "Simulation of cantilever based RF MEMS Switch using Coventorware", proceedings of International Conference on Communication, Computation, Control and Nanotechnology, REC Bhalki 29-30 Oct, 2010.
31. Goudara Ravi Prakash, K M Vinayaka Swamy, **B. G. Sheeparamatti**, "Nuclear based energy harvesting using piezoelectric transducer", COMSOL conference Bangalore, Nov. 4 -5, 2011.
32. **B. G. Sheeparamatti**, J.S.Kadadevaramath, S.A. Angadi, Rajeshwari Sheeparamatti, "Neuro-Genetic Optimization of ElectroThermal Microactuator", IEEE Industrial Conference, at Melbourne, Australia during 7 to 10 Nov. 2011.
33. Sujata N. Naduvinamani, **B. G. Sheeparamatti**, Sandeep Kalalbandi, Rajeshwari Sheeparamatti, "Simulation of Micro-Cantilever based Series Switch and Development of its ANN Model", IEEE Industrial Conference, at Melbourne, Australia during 7 to 10 Nov. 2011.
34. K. M. Vinayaka Swamy, **B. G. Sheeparamatti**, G. Ravi Prakash, Ajaykumar Katageri, "Electrostatic Chemical Sensor", Proceedings of the 9<sup>th</sup> Nanomechanical Sensing Workshop NMC 2012 during 6<sup>th</sup> to 8<sup>th</sup> June, 2012 at IIT Bombay, Mumbai, pp 84-85.
35. Rajeshwari Sheeparamatti, S V Halse, K. M. Vinayaka Swamy, Shivashankar A Huddar, **B G Sheeparamatti**, "Study of Pull-in Voltage using ANSYS & COMSOL", Proceedings of the 9<sup>th</sup> Nanomechanical Sensing Workshop NMC 2012 during 6<sup>th</sup> to 8<sup>th</sup> June, 2012 at IIT Bombay, Mumbai, pp 168-169.
36. Rajeshwari Sheeparamatti, S V Halse, K. M. Vinayaka Swamy, **B G Sheeparamatti**, G Ravi Prakash, "Study of Fringe effect on a Microcantilever and

	<p>development of Simulink model for Electrostatic Microcantilever”, Proceedings of the 9<sup>th</sup> Nanomechanical Sensing Workshop NMC 2012 during 6<sup>th</sup> to 8<sup>th</sup> June, 2012 at IIT Bombay, Mumbai, pp 168-169</p> <p>37. G Ravi Prakash, <b>B G Sheeparamatti</b>, K. M. Vinayaka Swamy, R B Sheeparamatti, “Analysis and Modeling of Different Modes of Micro Cantilever Based Piezoelectric Generator”, Proceedings of the 9<sup>th</sup> Nanomechanical Sensing Workshop NMC 2012 during 6<sup>th</sup> to 8<sup>th</sup> June, 2012 at IIT Bombay, Mumbai, pp 108-109.</p> <p>38. Manjula Sutagundar, <b>B G Sheeparamatti</b>, “A critical comparison of surface and bulk micromachined cantilevers using Coventorware ”, Proceedings of the 9<sup>th</sup> Nanomechanical Sensing Workshop NMC 2012 during 6<sup>th</sup> to 8<sup>th</sup> June, 2012 at IIT Bombay, Mumbai, pp 104-105.</p> <p>39. <b>B G Sheeparamatti</b>, Rachita Shettar, “Simulation Analysis of electrothermal Microactuators”, Sixth ISSS National Conference on MEMS, Smart materials, Structures and Systems, Sept 6-7, 2013, R&amp;DE(Engrs), DRDO, Pune</p> <p>40. K M Vinayak Swamy, <b>B G Sheeparamatti</b>, “Modeling of Electrostatic Chemical Detector in MATLAB/Simulink and COMSOL ”, Sixth ISSS National Conference on MEMS, Smart materials, Structures and Systems, Sept 6-7, 2013, R&amp;DE(Engrs), DRDO, Pune</p> <p>41. K M Vinayak Swamy, G RaviPrakash, <b>B G Sheeparamatti</b>, “Design and Analysis of RF-MEMS switch using COMSOL and MATLAB ”, Sixth ISSS National Conference on MEMS, Smart materials, Structures and Systems, Sept 6-7, 2013, R&amp;DE(Engrs), DRDO, Pune</p> <p>42. <b>B. G Sheeparamatti</b>, J S Kadavevaramath, R M Bashetti, “Improved Microcantilever Geometry for Bio and Chemical sensing”, Proceedings of International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESE-2014) during 09-11 Jan. 2014 at Ramdeobaba College of Engineering and Management, Nagpur, India, pp 34, and is available in IEEE Explore, INSPEC Accession Number:14117530, pp 341-345.</p> <p>43. Ravi M Bashetti, <b>B G Sheeparamatti</b>, “Design and Simulation of piezoelectric MEMS Actuator”, Proceedings of International Conference on Power Electronics and Drives (ICPEDS-NITTE-2014), during 10-11 April 2014, at NMAMIT NITTE, Karnataka.</p> <p>44. Ravi M Bashetti, Gousia K. Koradur, Kirankumar B B, <b>B G Sheeparamatti</b>, “Simulation Study on Different Microcantilever Geometries for Sensing and Actuating Applications”, Proceedings of Seventh ISSS International Conference on Smart Materials, Structures and Systems(ISSS-2014), during July 08-11, 2014 at IISc Bangalore, pp. 20</p> <p>45. Manjula Sutagundar, <b>B G Sheeparamatti</b>, D S Jangamashetti, “Genetic Algorithm Optimization of Micricantilever based Resonators”, Proceedings of Seventh ISSS International Conference on Smart Materials, Structures and Systems(ISSS-2014), during July 08-11, 2014 at IISc Bangalore, pp. 42.</p> <p>46. Ajayakumar C. Katageri, <b>B. G. Sheeparamatti</b>, Veekshit B. Math “Design of MEMS based 4-bit Shift Register”, Proceedings of 2014 IEEE International Conference on Smart Structures and Systems (ICSSS 14), Saveetha Engineering College, Chennai, 9<sup>th</sup> October 2014. <b>(Won the best paper award)</b>. 978-1-4799-6506-9/21 ©2014 IEEE, pp 103-107</p> <p>47. Prashant Hanasi, <b>B. G. Sheeparamatti</b>, Kirankumar B B, “Study of Pull-in voltage in MEMS actuators”, Proceedings of 2014 IEEE International Conference on Smart Structures and Systems (ICSSS 14), Saveetha Engineering College, Chennai, 9<sup>th</sup> October 2014. Pp 108-111, 978-1-4799-6506-9/22 ©2014 IEEE</p> <p>48. B. B. Kirankumar, Vinay Shettar, Sneha B. Kotin and <b>B. G. Sheeparamatti</b>, “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.</p> <p>49. Ajayakumar C. Katageri, <b>B. G. Sheeparamatti</b>, “An ANN Model of Polymer based MEMS Structures: A Modal Analysis Approach”, Proceedings of 2014 IEEE International Conference on Smart Structures and Systems (ICSSS 14), Saveetha</p>
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	<p>Engineering College, Chennai, 9<sup>th</sup> October 2014. Pp-112-117, 978-1-4799-6506-9/23 ©2014 IEEE</p> <ol style="list-style-type: none"> <li>50. <b>B G Sheeparamatti</b>, M N Patil, Prashant Hanashi, “Simulation of Electrostatic Microactuator with Two Sided Electrodes”, Proceedings of National Symposium on Microsystem Technologies (NSMT-2015), NITK Suratkal, 9-10 Jan 2015, pp 1-4.</li> <li>51. Rachita Shettar, <b>B G Sheeparamatti</b>, “Exploration of Different Microcantilever Geometries for Thermal Sensing using COMSOL and Development of ANN Model”, Proceedings of National Symposium on Microsystem Technologies (NSMT-2015), NITK Suratkal, 9-10 Jan 2015, pp 5-8.</li> <li>52. Rajashekhar Savadi, Mallikarjun, Shivashankar Huddar, <b>B G Sheeparamatti</b>, “Design and Simulation of Piezoelectric Energy Harvester”, Proceedings of National Symposium on Microsystem Technologies (NSMT-2015), NITK Suratkal, 9-10 Jan 2015, pp 12-15.</li> <li>53. Shivashankar Huddar, <b>B G Sheeparamatti</b>, Girija Hallikeri, Krithika Shetty, Pooja Patil, “Analysis of MEMS Electrostatic Actuator using Simulink Software Tool”, Proceedings of National Symposium on Microsystem Technologies (NSMT-2015), NITK Suratkal, 9-10 Jan 2015, pp 16-18.</li> <li>54. Shivashankar Huddar, <b>B G Sheeparamatti</b>, Pooja Patil, Girija Hallikeri, Vishal Hampannavar, “Analysis of Pull-in Voltage with respect to changes in dielectric material and their thickness”, Proceedings of National Symposium on Microsystem Technologies (NSMT-2015), NITK Suratkal, 9-10 Jan 2015, pp 25-27</li> <li>55. <b>B G Sheeparamatti</b>, Ajayakumar C Katageri, Vasundhara. S. k, Poornima. J, Khyata Basavajayanti, Shruti V, “Modeling and optimization of two layered microcantilever using genetic algorithm” Seventh ISSS National Conference on MEMS, Smart Materials, Structures and Systems, Kochi, 23 September, 2015.</li> <li>56. <b>B G Sheeparamatti</b>, J S Kadavevaramath, “Electrical Equivalent Analysis of Microcantilever Beams for Sensing Applications”, Proceedings of 17<sup>th</sup> International Conference on Microelectronics, Nanoelectronics and Photonics(ICMNP-2015), organized by World Academy of Science, Engineering and Technology, at London, UK</li> <li>57. <b>B G Sheeparamatti</b>, Prashant Hanashi, Vanita Abbigeri, “Critical Analysis of Different Actuation Techniques for a Microcantilever”, Proceedings of 17<sup>th</sup> International Conference on Microelectronics, Nanoelectronics and Photonics(ICMNP-2015), organized by World Academy of Science, Engineering and Technology, at London, UK</li> <li>58. Veena V Naik, <b>B G Sheeparamatti</b> “Modeling and Simulation of Micro-Electromagnetic Actuator”, Proceedings of International Conference on Signal Processing, Communication and Computational Research, (ICSPCCR-16), at Vidya Vikas Institute of Engineering and Technology, Mysore, during 18-19 May 2016(DOI:ICSPCCR13103)</li> <li>59. Kirankumar B. Balavalad, <b>B. G. Sheeparamatti</b>, “Design, Simulation and Analysis of Piezoresistive Micro Pressure Sensor for Pressure range of 0 to 1 Mpa”, Proceedings of International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECCOT), at GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec 2016.(978-1-5090-4697-3/16©2016 IEEE).</li> <li>60. Rashmi S. Jakati, Kirankumar B. Balavalad, <b>B. G. Sheeparamatti</b>, “Comparative Analysis of Different Micro- Pressure Sensors using Comsol Multiphysics”, Proceedings of International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECCOT), at GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec 2016 (Won the best paper award).</li> <li>61. Shweta Meti, Kirankumar B. Balavalad, Ajayakumar C. Katageri, <b>B. G. Sheeparamatti</b>, “Sensitivity Enhancement of a Piezoresistive Pressure Sensor with Meander Shaped Piezoresistors”, Proceedings of International Conference on Energy Efficient Technologies for Sustainability-2016 held at St. Xavier’s Catholic College of Engineering Nagercoil-629003, Tamil Nadu, India, IEEE publication. Pp.890-895.doi:10.1109/ICEETS.2016.7583874, URL: <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7583874&amp;isnumber">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=7583874&amp;isnumber</a></li> </ol>
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r=7582888, Tamil Nadu, India, IEEE publication.

62. Shiddharud Bannikoppa, Ajayakumar Katageri, Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "Design of Piezoresistive Pressure Sensor of Enhanced Sensitivity", Proceedings of International Conference on Energy Efficient Technologies for Sustainability-2016 held at St. Xavier's Catholic College of Engineering Nagercoil-629003, Tamil Nadu, India, IEEE publication- 978-1-4673-9925-8/16/\$31.00 ©2016 IEEE.
63. 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, 21-23<sup>rd</sup> July 2016.
64. Manjula Sutagundar, **B.G. Sheeparamatti**, D.S. Jangamshetti, "ANN Modeling of Anchor Dependent Quality Factor in Micro Disk Resonator", ISSS National Conference on MEMS, Smart Materials, Structures and Systems, September 28-30, 2016, IIT Kanpur, India.
65. Ajayakumar C Katageri, **B.G. Sheeparamatti**, "Design and Simulation of Carbon nanotube based piezoresistive pressure sensor for patient monitoring Applications", ISSS National Conference on MEMS, Smart Materials, Structures and Systems September 28-30, 2016, Kanpur, India.
66. Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "Design, Simulation and Analysis of Piezoresistive Micro Pressure Sensor for Pressure range of 0 to 1 Mpa", Proceedings of International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECOT), at GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec 2016.(978-1-5090-4697-3/16©2016 IEEE)
67. **B. G. Sheeparamatti**, Veena V. Naik, "Exploration of MicroCantilever based Electromagnetic Actuator", Proceedings of International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECOT), at GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec 2016.
68. Rashmi S. Jakati, Kirankumar B. Balavalad, **B. G. Sheeparamatti**, "Comparative Analysis of Different Micro- Pressure Sensors using Comsol Multiphysics", Proceedings of International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECOT), at GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec 2016 (**Won the best paper award**).
69. Rashmi M. Kittali **B. G. Sheeparamatti**, Arshath Sheeparamatti, "Kalman Filter based Adaptive Attitude Estimation of Rigid Body" 3<sup>rd</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at Institution of Electronics and Telecommunication Engineers, (IETE) , Erandwane, Pune, Maharashtra, India on 28<sup>th</sup> May 2017 ISBN: 978-81- 934083-1-5 236, pp236-242
70. Pallavi Sajjan, **B. G. Sheeparamatti** "Modeling and Simulation of Microcantilever based Tuberculosis Detection Sensor" 3<sup>rd</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at Institution of Electronics and Telecommunication Engineers, (IETE) , Erandwane, Pune, Maharashtra, India on 28<sup>th</sup> May 2017 ISBN: 978-81- 934083-1-5 236
71. Ajayakumar C Katageri, Shweta Nayak K, **B G Sheeparamatti**, "Design of an Optimized Piezoresistive Pressure Sensor for a Pressure Range of 0 to 1 Mpa", 3<sup>rd</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at Institution of Electronics and Telecommunication Engineers, (IETE) , Erandwane, Pune, Maharashtra, India on 28<sup>th</sup> May 2017 ISBN: 978-81- 934083-1-5.
72. Rashmi. J, Kirankumar B. Balavalad and **B. G. Sheeparamatti**, "Sensitivity Analysis of Square and Circular Diaphragm based Piezoresistive Pressure Sensor with single and double wheatstone bridge ", Proc. Of 8<sup>th</sup> ISSS International Conference on Smart Materials, Structures & Systems (ISSS 2017), 4-7 July 2017.
73. Rashmi. J, Kirankumar B. Balavalad and **B. G. Sheeparamatti**, "Sensitivity Enhancement in Micro-Piezoresistive Pressure Sensor with Perforated Diaphragm"

	<p>2<sup>nd</sup> International Conference on “Recent Trends in Electronics, Information &amp; Communication Technology (RTEICT)”, May 2017, SVCE Bengaluru, IEEE publication, July 2017.</p> <p>74. Maheshwari B, <b>B G Sheeparmatti</b>, P.Patil, S.Naik, “ Patterned Fabric defect detection using regular band and distance matching function”, IEEE 3<sup>rd</sup> International Conference on Computing, Communication, Control And Automation (ICCUBEA-2017), August 2017. (<b>Won Best paper award</b>) (Scopus Indexed)</p> <p>75. Shivashankar A. Huddar, <b>B.G. Sheeparamatti</b>, Ajay Sudhir Bale “Study of Pull-in voltage of a perforated SMA based MEMS Switch”. International Conference on Microelectronics Devices, Circuits and Systems (ICMDCS 2017), technically sponsored by IEEE Electronic Devices Society and technically co-sponsored by GLOBALFOUNDRIES. IEEE Xplore 18 December 2017, <a href="https://doi.org/10.1109/ICMDCS.2017.8211584">https://doi.org/10.1109/ICMDCS.2017.8211584</a></p> <p>76. Chandrashekhar S. Janadri, <b>B. G. Sheeparamatti</b>, Vishwanath Kagawade, “Multiclass Classification of Kirlian Images using SVM Technique”, 6<sup>th</sup> IEEE International conference on Advances in Computing, Communications and Informatics (ICACCI- 2017), 13-16 September 2017, Manipal University, Karnataka, ISBN: 978-1-5090-6367-3, Jan. 06, 2018.</p> <p>77. Kirankumar B. Balavalad and <b>B. G. Sheeparamatti</b>, “Design, Simulation &amp; Analysis of SOI based Micro Piezoresistive Pressure Sensor for High Temperature Applications”, Proc. of IEEE International Conference on Recent Trends in Electronics, Information &amp; Communication Technology (RTEICT-2018), IEEE XPLORE ISBN: 978-1-5386-2440-1, held at SVCE, Bengaluru May 18<sup>th</sup> to 19<sup>th</sup> 2018.</p> <p>78. Shivashankar A. Huddar, <b>B. G. Sheemaramatti</b>, Nalini Iyer, Ankita K. Dubey, Aishwarya S. Jantgal, Aishwarya S. Gaddihallishetti, Anusha P. “Pull in Voltage Analysis of H – Shaped Perforated SMA Based Micro Actuator Using COMSOL Multiphysics” NAFEMS India Regional Conference on Engineering Modelling, Analysis, Simulation and 3D-Printing (NIRC-2018) 20 – 21 July 2018, pp 46 Bengaluru, Karnataka, India.</p> <p>79. Manjula Sutagundar, <b>B.G. Sheeparamatti</b>, D.S. Jangamshetti, “Design Optimization of Micro Disk Resonator Using Interior Point Algorithm”, IEEE EDKCON-2018, 24-25 Nov. 2018, Kolkata, India</p> <p>80. K. B. Balavalad and <b>B. G. Sheeparamatti</b>, “Design, Simulation &amp; Analysis of Si, SOI &amp; Carbon Nanotube (CNT) based Micro Piezoresistive Pressure Sensor for a High Temperature &amp; 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</p> <p>81. Ajayakumar C Katageri, <b>B G Sheeparamatti</b>, “Fabrication and Characterization of thin films of ZnO and MWNTs dispersed in DMF”, Proceedings of IEEE International conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET-2018), 21-22 December, 2018, pp. 842-847, held at SAINTGITS college of Engineering, Pathamuttam, Kottayam.</p> <p>82. Ajayakumar C Katageri, <b>B G Sheeparamatti</b>, “Comparative Analysis of Diaphragm for the Design of High Sensitive Piezoresistive Pressure Sensor”, Submitted and selected at IEEE International conference on Circuits and systems in Digital Enterprise Technology (ICCSDET-2018), 21-22 December, 2018, pp. 848-853, held at SAINTGITS college of Engineering, Pathamuttam, Kottayam.</p> <p>83. Ajayakumar C Katageri, <b>B G Sheeparamatti</b>, “Sensitivity Enhancement of Piezoresistive Pressure Sensor using Carbon Nanotube as a Piezoresistor”, Submitted to IEEE International conference on Advanced Computational and communication paradigms (ICACCP-2019), held at SMIT, Sikkim during 25-28 February, 2019.</p> <p>84. Maheshwari S, Biradar, P. M. Patil, B G, Sheeparamatti, “Fabric Defect Detection using Modified Local Neighbourhood Analysis”, Lecture Notes in Electrical Engineering, vol. 792. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-4625-6_23">https://doi.org/10.1007/978-981-16-4625-6_23</a>, ISBN:978-981-16-4624-9</p>
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<p><b>Invited Talks</b></p>	<p>:</p>	<ol style="list-style-type: none"> <li>1. Worked as resource person and delivered talks for Short Term Training Program on “Advanced Microprocessors at BVVS’s Polytechnic BAGALKOT during Nov. 1999</li> <li>2. Technical talk on “Microsystems” at AICTE-ISTE sponsored Short Term Training Program on “EMBEDDED SYSTEMS AND APPLICATIONS” held from 22<sup>nd</sup> March to 27<sup>th</sup> March 2004 at Basaveshwar Engineering College, BAGALKOT.</li> <li>3. Invited Article on “Nature’s Perspective to Material Technology: an Introduction” by B. G. Sheeparamatti, S. A. Angadi, Rajeshwari Sheeparamatti, in the course material of STTP on “Futuristic Materials” organized by the Dept of Mechanical Engineering Basaveshwar Engineering College BAGALKOT</li> <li>4. Invited talk on “Fundamentals of Interfacing: Microprocessors, Microcontrollers and PC” in the AICTE-ISTE sponsored STTP on MEMS and MECHTRONICS held at NITK Surathkal during 22-11-2004 to 4-12-2004.</li> <li>5. Invited talk on “Embedded Systems” at BVVS’s Polytechnic BAGALKOT on 5<sup>th</sup> Nov. 2004.</li> <li>6. Worked as resource person and delivered talks for Short Term Training Program on “VHDL, Microcontroller and MATLAB” at BVVS’s Polytechnic (Autonomous) BAGALKOT during 26and 27<sup>th</sup> Oct. 2005.</li> <li>7. Invited talk on “Introduction to Computers” in the Workshop on Web Page Design and its Applications organized by E &amp; CE Dept. Basaveshwar Engineering College, under TEQIP.</li> <li>8. Invited talk on “Medical Equipments” (in Kannada language) in the Workshop on Electrical Safety for Women organized by E &amp; E Dept. Basaveshwar Engineering College, under Tribal and Women Development (TEQIP).</li> <li>9. Invited talk on “Overview of MEMS based BioSensors: Analysis using FEM” in the Short Term Training Programme on Recent Trend in Applications of Finite Element Analysis, organized by Mechanical Engineering Dept. Basaveshwar Engineering College, during 6<sup>th</sup> to 11<sup>th</sup> March 2006 under TEQIP.</li> <li>10. Invited talk on “Nanotechnology Overview: Micro/Nano Cantilever applications” in the Staff Development Programme on “Nano Technology and Applications” organized by Mechanical Engineering Dept. Basaveshwar Engineering College, under TEQIP during 14<sup>th</sup> to 19<sup>th</sup> Aug 2006.</li> <li>11. Invited talk on “Interfacing Techniques: Microprocessors, Microcontrollers, PC’s” in the Workshop on “ Mechatronics Training Kit &amp; Robotics Simulation Software ” organized by Mechanical Engineering Dept. Basaveshwar Engineering College, under TEQIP during 24<sup>th</sup> to 26<sup>th</sup> Aug 2006.</li> <li>12. Invited talk on “Basics of Microcontrollers and interfacing” Polytechnic Guledgudd—29<sup>th</sup> Aug 2006.</li> <li>13. Invited talk on “Embedded Systems and Microcontrollers” in BVVS’s Polytechnic Bagalkot on 1<sup>st</sup> Sept. 2006.</li> <li>14. Talks on “Embedded Systems and Introduction to 8051 microcontrollers, 8051 instruction set and Interfacing with 8051 Microcontrollers” in the Faculty Development Programme on “ Embedded systems” organized by E &amp; CE Engineering Dept. Basaveshwar Engineering College, Bagalkot under TEQIP during 5<sup>th</sup> to 10<sup>th</sup> Feb. 2007.</li> <li>15. Invited talk on “Advanced Microcontrollers” in the in the Staff Development Programme on “Advanced Microcontrollers” organized by Instrumentation Engineering Dept. Basaveshwar Engineering College, under TEQIP during 15<sup>th</sup> to 17<sup>th</sup> Feb. 2007.</li> <li>16. Invited talk on “Embedded Systems” in the E-week program organized by the Dept. of Electronics, Basaveshwar Science College, Bagalkot on 19<sup>th</sup> Feb. 2007.</li> <li>17. Invited talk on “MEMS Fabrication Techniques” in the Faculty Development Program organized by the Dept. of Mechanical Engineering, Basaveshwar Engineering College, Bagalkot during 16<sup>th</sup> to 21<sup>st</sup> April 2007.</li> <li>18. Invited talk on “Nanotechnology and MEMS” in the ISTE chapter of C B Kore Polytechnic, Chikodi on 1<sup>st</sup> Feb. 2008.</li> <li>19. Invited talk on “MEMS in wireless sensor networks” in the VTU-VGST sponsored FDP on “Recent Advances in Wireless Sensor Networks” during 10<sup>th</sup> to 12<sup>th</sup> Feb. 2011 at Basaveshwar Engineering College, Bagalkot.</li> </ol>
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	<ol style="list-style-type: none"> <li>20. Invited talk on “Introduction and Applications of MEMS” in the IETE Sponsored National Technical Paper Contest 2011 on 08-06-2011 at Institute of Engineers, Dharwad Local Centre, Dharwad.</li> <li>21. Invited talk on “Introduction to MEMS and Making of MEMS and their Applications” in KSCST sponsored frontier lecture series on science and technology on the occasion of 150<sup>th</sup> birth anniversary of Bharatha Ratna Sir. M Visvesvaraya at BLDE Engineering College, Bijapur on 18<sup>th</sup> Aug. 2011.</li> <li>22. Invited talk on “Introduction to MEMS and RF-MEMS” in REVA Institute of Technology and Management, Bangalore, on 18<sup>th</sup> Aug. 2011.</li> <li>23. Worked as resource person and delivered talks for the STTP on MATRIX Lab at BVVS Polytechnic during 13<sup>th</sup> to 17<sup>th</sup> Feb. 2012</li> <li>24. Invited talk on “Introduction to MEMS and their applications in Communications” in the TEQIP sponsored FDP on Recent advances in Communications at PDA College of Engineering, Gulbarga, on 23<sup>rd</sup> Jan. 2013.</li> <li>25. Worked as resource person and delivered talks and lab sessions for the STTP on MATRIX Lab at BVVS Polytechnic during 12<sup>th</sup> to 16<sup>th</sup> Feb. 2013.</li> <li>26. Worked as resource person for one day workshop on MEMS at REC Hulakoti on 22<sup>nd</sup> March 2013.</li> <li>27. Invited talk on “Introduction to MEMS and Optimization of MEMS structures using Soft and Evolutionary Computing Techniques” in the TEQIP sponsored FDP on Soft and Evolutionary Computing Techniques and Its Applications at Basaveshwar Engineering College, Bagalkot, during 30<sup>th</sup> May to 1<sup>st</sup> Jun. 2013.</li> <li>28. Invited talk on “Overview of Embedded Systems: Microcontrollers” and “Interfacing 8051 MicroControllers” in the AICTE sponsored FDP on Recent advances in VLSI and Embedded Systems at S R Vastrad Rural Polytechnic Guledgudd, on 29<sup>th</sup> Jun 2013.</li> <li>29. Worked as resource person for the FDP on “Design, Modeling and Simulation of MEMS Devices” during 10-12 July 2013, title of the talks 1). Overview on MicroCantilever based sensing and Actuation. 2). Modeling, Simulation and Optimization of Microcantilevers, organized by E &amp; CE Department, Basaveshwar Engineering College, Bagalkot.</li> <li>30. Invited talks on 1)“Introduction and Fabrication of Thin Films, 2) Properties and Applications of Thin Films:MEMS” in the TEQIP sponsored FDP on Recent Advances in Thin film technology organized by Physics Department, Basaveshwar Engineering College, Bagalkot, during 19<sup>th</sup> Dec to 21<sup>st</sup> Dec. 2013.</li> <li>31. Invited talk on “Overview of Embedded Systems:8051 Microcontrollers”, in the workshop on Recent Trends in Embedded Systems at PES Institute of Technology, Shivamogga during 14<sup>th</sup> to 15<sup>th</sup> March 2014.</li> <li>32. Worked as resource person and conducted and delivered a talk on “Introduction to MEMS and Modeling and Simulation using COMSOL/Multiphysics” in the Faculty Development Program on “Modeling and Simulation of Micro-Electro-Mechanical Systems(MEMS)” at BVBCET Hubli on 20<sup>th</sup> Sept. 2014.</li> <li>33. Invited talk on “Introduction and Case Studies on Microsystems or MEMS” at RV College of Engineering, Bangalore on 20-05-2015</li> <li>34. Worked as resource person for the Workshop on MATLAB at BLDE Polytechnic Vijayapur on 19<sup>th</sup> Sept. 2015.</li> <li>35. Invited talk on “MicroSensors” in the STTP at BIET Bellary on 9<sup>th</sup> January 2016</li> <li>36. Invited talk on “Introduction to MEMS and their Applications” in IETE student branch, PDA College of Engineering Gulbarga on 2016</li> <li>37. Invited talk on “Introduction to MEMS and their Applications” in Alva’s Institute of Engineering and Management, Moodabidri on 23<sup>rd</sup> Aug. 2016</li> <li>38. Worked as resource person and delivered a talk on “Introduction and Research Issues in MEMS” in the FDP on Recent Trends in Micropressure Sensors and RF-MEMS in the TEQIP-II sponsored FDP on Recent Trends in Micropressure Sensors and RF-MEMS, organized by Department of E &amp; CE, Basaveshwar Engineering College, Bagalkot, during 20<sup>th</sup> to 22<sup>nd</sup> Oct 2016.</li> <li>39. Worked as resource person and delivered talk on “Introduction to MEMS and Research Issues” in Alva’s Institute of Engineering and Management, Moodabidri on 12<sup>th</sup> Jan. 2017.</li> </ol>
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		<ol style="list-style-type: none"> <li>40. Worked as resource person and delivered talk on “Introduction to MATLAB and Applications in Science” in Basaveshwar Science College, Bagalkot during 30<sup>th</sup> May and 1<sup>st</sup> Jun. 2017.</li> <li>41. Invited talk on “Introduction to MEMS and their Applications” in the department of E &amp;CE, SIT Tumkur on 9<sup>th</sup> Nov. 2017</li> <li>42. Invited talk on “Embedded Systems” and “Introduction to MEMS” in the SDP(Student Development Program) in the department of E&amp;CE, BGMIT(Biluru Gurubasav Mahaswamiji Institute of Technology) Mudhol on 31<sup>st</sup> Jan. 2018</li> <li>43. Invited talk on “Advances in MEMS” in Alva’s Institute of Engineering and Management, Moodabidri on 12<sup>th</sup> April. 2018.</li> <li>44. Invited talk on Bridging the standardization Gap on the accusation of World Telecommunication Society day celebration at Institution of Engineers, Dharwad Local Centre, Dharwad on 17<sup>th</sup> May 2019</li> <li>45. Invited talk on “MEMS and Computing Techniques” in VTU-TEQIP 1.3 Sponsored Program at VTU Belgaum on 01-08-2019</li> <li>46. Keynote address and Invited talk on “MATLAB for Future Computing” at VTU-TEQIP 1.3 Sponsored Program on “MATLAB Based Artificial Intelligence Techniques in Engineering Applications” during October 5-6, 2019 at CECAB Institute of Engineering &amp; Technology, Vijayapura on 5<sup>th</sup> Oct 2019</li> <li>47. Worked as a resource person in five days Virtual Faculty development program(FDP) on Next Generation Electronics and Computer Networks and delivered an invited talk on “Introduction and Research issues in MEMS and NEMS”, organized by Bheemanna Khandre Institute of Technology, Bhalki on 4<sup>th</sup> June 2020.</li> <li>48. Worked as a resource person in one day Webinar on “Interrogation in MEMS, NEMS and Nanotechnology” and delivered an invited talk on “Introduction, Applications and Challenges of Micro and Nano electromechanical Systems”, organized by Cambridge Institute of Technology, Bangalore on 5<sup>th</sup> June 2020</li> <li>49. Worked as a resource person in two days Webinar series on “Recent Trends in Electronics and Communication Engineering” and delivered an invited talk on “Research Opportunities in MEMS”, organized by Department of Electronics and communication Engineering, Basaveshwar Engineering College, Bagalkot, during 11<sup>th</sup> and 12<sup>th</sup> June 2020</li> <li>50. Invited talk on “hundreds of Questions about Stargazing”, for teaching teachers and students under creative ways of teaching science initiative organized by Tare Zameen Par in coordination with KSTEPS on 19<sup>th</sup> Sept 2020.</li> <li>51. Invited talk on “National Education Policy: An Innovation Perspective”, to the UG/PG students and faculty of SDM College of Engineering and Technology, Dharwad on 30<sup>th</sup> December 2020.</li> <li>52. Invited talk on “Applications of Technology in Biological Sciences”, to the UG students and faculty of College of Horticulture, University of Horticultural Sciences, Bagalkot on 1<sup>st</sup> March 2021</li> <li>53. Invited talk on on the accusation “Trends in Communication Technology (Accelerating Digital Transformation in Challenging Times)” of World Telecommunication Society day celebration at Institution of Engineers, Dharwad Local Centre, Dharwad on 17<sup>th</sup> May 2021</li> <li>54. Invited talk on “Evolution and Scope of Electronics and Communication Technologies” in the Webinar organized by PDA Engineering College, under ISTE Student’s Chapter on 31st Oct.2021</li> <li>55. Invited talk on “Soft Computing in MEMS” in Five day Faculty Development Program on “Trends in MEMS and NanoTechnology” organized by AICTE Training and Learning(ATAL) and Alva’s Institute of Engineering, Moodabidri during 07-12-2021 to 11-12-2021</li> <li>56. Invited talk on the accusation “Recent Trends in Technology” as a Chief Guest on the occasion of 56th Annual Day Function of Institution of Engineers, Dharwad Local Centre, Dharwad on 28th Oct. 2022</li> </ol>
<b>Events Organized</b>	:	<ol style="list-style-type: none"> <li>01. Worked as Coordinator for AICTE-ISTE sponsored Short Term Training Program on “EMBEDDED SYSTEMS AND APPLICATIONS” conducted</li> </ol>

		<p>during 22<sup>nd</sup> to 27<sup>th</sup> March 2004 at Basaveshwar Engineering College, Bagalkot</p> <ol style="list-style-type: none"> <li>02. Worked as Coordinator for TEQIP sponsored Short Term Training Program on “EMBEDDED SYSTEMS” conducted during 5<sup>th</sup> to 10<sup>th</sup> Feb. 2007 at Basaveshwar Engineering College, Bagalkot</li> <li>03. Worked as Coordinator for TEQIP sponsored Short Term Training Program on “Design, Modeling and Simulation of MEMS Devices” conducted during 10 to 12 July 2013 at Basaveshwar Engineering College, Bagalkot</li> <li>04. Conducted one day FDP on “Modeling and Simulation of Micro-Electro-Mechanical Systems(MEMS) ” at Dept. of E &amp;CE, B V Bhoomaraddi College of Engineering and Technology, Hubli on 20-09-2014.</li> <li>05. Worked as Coordinator for IEEE APS Region Distinguished Speaker Programme conducted on 11<sup>th</sup> Sept. 2015 at Basaveshwar Engineering College, Bagalkot, organized by IEEE MTT-APS Bangalore Chapter and Basaveshwar Engg College</li> <li>06. Worked as Coordinator for TEQIP-II sponsored Hands-on training on Thin Film Coating &amp; Lithography Techniques conducted on 06-11-2015 at Basaveshwar Engineering College, Bagalkot</li> <li>07. Worked as Coordinator for TEQIP-II sponsored FDP on Recent Trends in Micropressure Sensors and RF- MEMS conducted during 20-10-2016 to 22-10-2016 at Basaveshwar Engineering College, Bagalkot</li> <li>08. Conducted two days FDP on “Micro Electro Mechanical Systems” at Dept. of E &amp;CE, Alva’s Institute of Engineering and Technology, Moodbidri during 16<sup>th</sup> to 17<sup>th</sup> Jan 2017.</li> </ol>
<p><b>Conferences/ Symposiums/ Workshops/ Training Programs Attended</b></p>	<p>:</p>	<ol style="list-style-type: none"> <li>1. “Specialized Managerial Training Course in Marketing Management” organized by Small Industries Development Organization, Ministry of Industry, Govt. of India during 26<sup>th</sup> July to 6<sup>th</sup> Aug 1988 at BVVS polytechnic Bagalkot</li> <li>2. In-plant training on Manufacture of B/W Television Picture Tubes from Kalyan Keonics Ltd., BIDAR &amp; NEC OTSU, JAPAN at NEC Otsu plat Japan during Sept. to Dec. 1988</li> <li>3. “Digital Communication through Satellites’ organized by Malnad College of Engineering &amp; MCF HASSAN during 5-7-1993 to 17-7-1993</li> <li>4. “Microwave and Optoelectronic Devices” organized by IIT MADRAS during 13-12-1993 to 24-12-1993</li> <li>5. “Modern Trends in Computer Based Automation” organized by ISTE &amp; GS Institute of Technology &amp; Science INDORE, &amp; DAVV INDORE during 3-1-1994 to 14-1-1994</li> <li>6. “Electronic Design Automation Tools”, AICTE Sponsored National Workshop organized by E &amp;CE Dept. Basaveshwar Engineering College, Bagalkot, 19<sup>th</sup> to 21<sup>st</sup> Oct 1995</li> <li>7. “Internet Workshop” organized by CSEA and IIT Bombay during 11<sup>th</sup> and 12<sup>th</sup> Oct 1997</li> <li>8. “Digital Signal Processors” organized by Texas Instruments and IIT Bombay during 28<sup>th</sup> to 30<sup>th</sup> Sept.1998</li> <li>9. “Bio-Signal Processing and Simulation” organized by Karunya Institute of Technology, COIMBATORE during 29-5-2000 to 10-6-2000</li> <li>10. “VLSI and CAD for VLSI” organized by Bangalore Institute of Technology, BANGALORE during 4-9-2000 to 9-9-2000</li> <li>11. “PIC Microcontrollers” organized by Siddaganga Institute of Technology, TUMKUR &amp; Microchip Technologies Inc., BANGALORE during 23-2-2001 to 28-2-2001</li> </ol>

	<ol style="list-style-type: none"> <li>12. National seminar on “Recent Advances in Automation in Manufacturing” organized by Institute of Engineers Mangalore Local Center and NMAM Institute of Technology, Nitte on 16<sup>th</sup> Feb. 2002,</li> <li>13. “Microcontroller, Embedded System Design and its Industrial Applications” organized by KLE College of Engineering &amp; Technology, BELGAUM during 22<sup>nd</sup> to 25<sup>th</sup> Oct. 2002</li> <li>14. “ISTE 32<sup>nd</sup> Annual Convention and National Seminar” organized by NMAM Institute of Technology, Nitte during 27-29 Dec,2002</li> <li>15. “Workshop on MEMS” organized by BVB College of Engineering &amp; Technology HUBLI during 7<sup>th</sup> and 8<sup>th</sup> Nov. 2003</li>   <li>16. International Conference on “Digital Aided Modeling and Simulation (DAMS-2003)”</li> <li>17. Organized by CIT, Coimbatore during 6-8 Jan. 2003</li> <li>18. FDP on “MATLAB for Analysis and Simulation of Electrical, Electronics and Control Systems” organized by Nirma Institute of Technology, AHMEDABAD &amp; AICTE-ISTE during 1<sup>st</sup> to 12<sup>th</sup> Dec. 2003</li> <li>19. Workshop on “Pico Peta Simputer” organized by East-West Institute of Technology, BANGALORE during 30<sup>th</sup> and 31<sup>st</sup> Jan. 2004</li> <li>20. “Learning Organization and Knowledge Management in Technical Education”, organized by Basaveshwar Engineering College Bagalkot and AICTE-ISTE during 16<sup>th</sup> to 21<sup>st</sup> Feb. 2004</li> <li>21. “VLSI Design and Test Workshops 2004” organized by VLSI society of India and Infosys, MYSORE during 26<sup>th</sup> to 28<sup>th</sup> Aug. 2004</li> <li>22. “MEMS and Mechatronics” organized by NIT Karnataka, Surathkal during 22<sup>nd</sup> Nov. to 4<sup>th</sup> Dec. 2004</li> <li>23. International conference on Human Machine Interfaces (ICHMI) 2004 at IISc, Bangalore during 20-23 Dec. 2004</li> <li>24. “International Workshop on recent advances in smart materials, structures and systems” organized by Institute of Smart Structures and Systems, IISc Bangalore during 22<sup>nd</sup> Dec. 2004</li> <li>25. “PreConference Workshop on MEMS: Technology, Devices and Applications” organized by Institute of Smart Structures and Systems, IISc Bangalore on 27<sup>th</sup> July 2005</li> <li>26. “International Conference on materials, structures and systems” organized by Institute of Smart Structures and Systems(ISSS), IISc Bangalore during July 28-30, 2005.</li> <li>27. “NanoSciences and Engineering” organized by Visvesvaraya Technological University, Belgaum, Karnataka during 28<sup>th</sup> Sept to 8<sup>th</sup> Oct. 2005</li> <li>28. “National Conference on Communication and Computational Techniques (NCCT-06)” organized by Dehradun Institute of Technology, Dehradun during Feb 10-11, 2006</li> <li>29. “National Workshop on Intellectual Property Rights Studies” organized by Basaveshwar Engineering College, Bagalkot, AICTE New Delhi, &amp; TEQIP World Bank during 17<sup>th</sup>-18<sup>th</sup> Feb 2006</li> <li>30. “Embedded System Development using ARM controllers” organized by ISM (Indian Service Machine) Bangalore on 5<sup>th</sup> March 2006</li> <li>31. “Vision R &amp; D” organized by Basaveshwar Engineering College Bagalkot and TEQIP World Bank during 13<sup>th</sup> to 18<sup>th</sup> March 2006</li> <li>32. “International MEMS Conference 2006 (IMEMS 2006)” organized by Nanyang Technological University, Singapore and Institute of Bioengineering and</li> </ol>
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	<p>Nanotechnology, Singapore during May 9-12, 2006</p> <ol style="list-style-type: none"> <li>33. "IEEE International Industrial Electronics Conference (IECON-06)" organized by IEEE International Industrial Electronics Society at Paris, France during Nov. 6-10,2006</li> <li>34. "National Conference on Recent Advances in Design Engineering (RADE 2007)" organized by Manipal Institute of Technology, Manipal during Feb. 22 to 24, 2007</li> <li>35. "CEP on Finite Analysis and Design using ANSYS (Fead.ANSYS 2007)" organized by Dept. of Mechanical and Civil Engineering, I I T Madras during Aug. 28 2007 to Sept. 01 2007</li> <li>36. "QIP Short Term Course on Biologically inspired Computational Techniques" organized by CCE, I I Sc Bangalore during 4<sup>th</sup> to 8<sup>th</sup> Feb. 2008</li> <li>37. "11<sup>th</sup> Annual International Conference of NSTI – Nanotech 2008" organized by Nano Science and Technology Institute, USA at Hynes Convention Canter, Boston USA during June 1 to 5, 2008</li> <li>38. "Nanofabrication technologies" organized by CCE, IISc Bangalore (MCIT, Govt. of India) during 16<sup>th</sup> to 17<sup>th</sup> April 2010</li> <li>39. "Hands on training on Nanofabrication technologies" organized by CCE, IISc Bangalore (MCIT, Govt. of India) during 18<sup>th</sup> to 24<sup>th</sup> April 2010</li> <li>40. "MEMS Software training Programme" organized by ECE Dept. IISc, Bangalore (NPMASS) during 24<sup>th</sup> to 28<sup>th</sup> May 2010</li> <li>41. "LTCC Fabrication and Applications" organized by CMET Pune and NPMASS, GoI during 13<sup>th</sup> to 14<sup>th</sup> May 2011</li> <li>42. "IEEE Industrial Electronics Conference 2011 (IECON 2011)" organized by IEEE International Industrial Electronics Society at Melbourne, Australia during Nov 6 to 8, 2011</li> <li>43. "9<sup>th</sup> International Workshop on Nanomechanical Sensing NMC 2012" organized by IIT Bombay, Mumbai during Jan. 6<sup>th</sup> to 8<sup>th</sup> 2012</li> <li>44. "7<sup>th</sup> INUP Familiarization Workshop on Nanofabrication Technologies" organized by IIT Bombay, Mumbai (DIT, MCIT, Govt. of India) during June 4-5, 2012</li> <li>45. "5<sup>th</sup> Bangalore NANO" organized by VGST, Bangalore during 5-7 Dec. 2012</li> <li>46. "VTU – International CANEUS Symposium (VICAS-2013)" organized by Visveswaraya Technological University, Belgaum during 19-20 April, 2013</li> <li>47. "CEP Short Term Course on Semiconductor Technology and Manufacturing" organized by IIT Bombay, Mumbai during 10<sup>th</sup> to 15<sup>th</sup> Dec. 2013</li> <li>48. "International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESE-2014)" organized by Ramdeobaba College of Engineering and Management, Nagpur, India during 09-11 Jan. 2014</li> <li>49. "Effective Leadership for Excellence" organized by International Academy for Competency Enhancement, Bangalore and Basaveshwar Engineering College, Bagalkot during 6-7, Feb. 2014</li> <li>50. "Seventh ISSS International Conference on Smart Materials, Structures and Systems(ISSS-2014)", organized by Institute of Smart Structures and Systems(ISSS) at IISc, Bangalore during July 08-11, 2014</li> <li>51. "Micro and Nano Technology for Engineering Education (Pre conference Workshop of Seventh ISSS International Conference on Smart Materials, Structures and Systems-ISSS-2014)" organized by Institute of Smart Structures and Systems(ISSS) and M S Ramaiah Institute of Technology, Bangalore on 8<sup>th</sup> July 2014</li> <li>52. "MEMS Capabilities at SCL" organized by Semi-Conductor Laboratory SAS</li> </ol>
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	<p>Nagar, Chandigarh (Dept. of Space, Govt. of India) during 21-22, Nov. 2014</p> <p>53. “Management Capacity Enhancement Programme” organized by Indian Institute of Management, INDORE during 05-11, Oct. 2015</p> <p>54. “17<sup>th</sup> International Conference on Microelectronics, Nanoelectronics and Photonics(ICMNP-2015)” organized by World Academy of Science, Engineering and Technology, at Holiday Inn, Wembley, London, UK during Nov. 27-28, 2015</p> <p>55. “Outcome based Education” organized by Basaveshwar Engineering College, Bagalkot (under TEQIP-II) on 18<sup>th</sup> Dec. 2015</p> <p>56. “International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques(ICEECCOT)” organized by GSSS Institute of Engineering and Technology for Women, Mysore during 9-10 Dec. 2016.</p> <p>57. “International Symposium on Green Technologies for Sustainable Development” organized by Basaveshwar Engineering College, Bagalkot (under TEQIP-II) during 24-25 Feb. 2017</p> <p>58. “Advances in Control Systems” organized by Basaveshwar Engineering College, Bagalkot and CCEP, IIT Bombay, Mumbai (under TEQIP-II) during 25 to 27<sup>th</sup> Feb 2017</p> <p>59. “MDP on Data Analytics and Machine Learning with Python” organized by Goa Institute of Management, Sanquelim, GOA during 7<sup>th</sup> to 10<sup>th</sup> Nov. 2019</p> <p>60. “Digital Transformation in Teaching, Learning Process” TEQIP online certification course offered by IIT Bombay, Mumbai (Funded by NPIU, World Bank) during Feb. 14<sup>th</sup> to March 6<sup>th</sup> 2020</p> <p>61. “AICTE-Examination Reform Policy” organized by Basaveshwar Engineering College, Bagalkot and TEQIP-III during 6<sup>th</sup> and 7<sup>th</sup> May 2020</p> <p>62. “Developing Research and Development Culture in Industry institute Interaction Oriented Modern Teaching Learning and Project Based Learning” organized by Francis Xavier Engineering College, Tirunelveli, Tamainadu and AICTE during 14-09-2020 to 19-09-2020</p> <p>63. Online FDP on “Data Sciences” organized by ATAL (AICTE Training And Learning ) and Francis Xavier Engineering College, Tirunelveli, Tamainadu and AICTE during 02-11-2020 to 06-11-2020</p> <p>64. Online FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) during 12-07-2021 to 16-07-2021</p> <p>65. Online FDP on “Sensor Technology”, ” organized by ATAL (AICTE Training And Learning ) and AICTE during 02-11-2021 to 06-11-2021</p> <p>66. Online FDP on “An overview of Teaching Techniques in Innovation &amp; Design Thinking”, organized bu AICTE-VTU Joint Training Program organized by VTU-HRDC, PG Center Muddenahalli, Chikkaballapur during 6-12-2021 to 10-12-2021</p>
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