

Dr. Basavaprabhu G. Sheeparamatti

Dept of Electronics & Communication Engineering
Basaveshwar Engineering College
BAGALKOT – 587 102, Karnataka

Professor

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Curriculum Vitae



*Education:

Degree	University/ Institute	Year of Award	Title of the Thesis
Ph.D	Karnataka University, Dharwad	2010	Modeling, simulation and optimization of Micro cantilever based Micro Electro Mechanical Systems
M.Tech.	Indian Institute of Technology, Bombay	1999	Multisensor Monitoring System
PG DBM	Karnataka Arts, Science and Commerce College, Bidar, Gulbarga University	1990	Inventory Control
B.E.(E & CE)	PDA College of Engineering, Gulbarga, Gulbarga University	1987	Novel Graphics Features using BBC Microcomputer

*Professional Positions Held:

Date into Service **	Designation	Organization	Responsibility
1-1-2011 Till date	Professor	E&CE Department, Basaveshwar Engineering College (BEC), Bagalkot	UG-PG teaching, Research
01-05-2005 31-12-2010	Assistant Professor	E&CE Department, BEC, Bagalkot	UG-PG teaching, Research
23-03-1999 30-04-2005	Senior Lecturer	E&CE Department, BEC, Bagalkot	UG teaching
12-02-1988 31-08-1988 & 17-02-1990 22-03-1999	Lecturer	E&CE Department, BEC, Bagalkot	UG teaching
01-09-1988 16-02-1990	Electronics Engineer	Kalyan Keonics Limited, BIDAR (B/W Television Picture Tube Manufacturing Company)	Quality Control and Electronic Maintenance
14-03-1987 11-02-1988	Project Fellow	Central Govt's CLASS PROJECT scheme P.D.A College of Engineering GULBARGA	Installation and Maintenance of BBC Microcomputers

*Courses Taught:

UG level	PG level
Microprocessors	Real Time Systems
Microcontrollers	Advanced Mathematics for Communication
Advanced Microprocessors	Linear Algebra
Computer Organization	
Embedded Controllers	
Embedded System Design	
Signals and Systems	
Biomedical Instrumentation	
Control Engineering	
Biomedical Signal Processing	
Probability and Information Theory	
Micro Electro Mechanical Systems (MEMS) (Open Elective for all branches)	
Micro Electro Mechanical Systems (MEMS) (Elective for E & CE Students)	

*Other Services Provided to Students

Projects Guided at PG Level: 10

Projects Guided at UG Level: 28

*Publications:

Technical papers published in Journals

1. **Sheeparamatti B. G**, 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) <http://www.iop.org/EJ/toc/1742-6596/34/1>
2. **Sheeparamatti B.G**, 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) <http://www.iop.org/EJ/toc/1742-6596/34/1>
3. **B. G. Sheeparamatti**, R. B. Sheeparamatti, J. S. Kadadevaramath, “Nanotechnology: Inspiration from Nature”, IETE Technical Review, Vol. 24, No.1, January-February 2007, pp 5-8.
4. Chayalaxmi C. L., Krishnamurthy Bhat and **B.G. Sheeparamatti**, “Tilt Angle Measurement using Accelerometer IC and Communicating the Data between ARM processors using CAN Protocol” Journal of the Instrument Society of India, Vol. 38, No. 2, pp156-164 (15th June 2008).
5. **B. G. Sheeparamatti**, J. S. Kadadevaramath, M.S. Hebbal, “FEM Simulation of Novel Thermal Micro actuator”, International Journal of Recent Trends in Engineering (Electrical & Electronics), Vol. 1, No. 4, June 2009 pp-79-81.
6. M S Hebbal, V B Math, **B G Sheeparamatti**, “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.

Technical papers presented in Conferences:

1. Dr. Sanjeev Dasarao, **B.G.Sheeparamatti**, “Defining the control Problems in a failing heart, with or without circulatory assist devices” 45th Annual Conference Indian Association of Cardiovascular- Thoracic Surgeons, Bhopal during 25th to 28th Feb. 1999
2. **B.G.Sheeparamatti**, 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 16th Feb. 2002, pp.109-114.

3. **B.G.Sheeparamatti**, Shashidhar Patil, Rajeshwari B.S, “Think about Environment Before Designing a Product”, ISTE 32nd Annual Convention and National Seminar 27-29 Dec,2002, NMAM Institute of Technology Nitte (Poster presentation)
4. Shashidhar Patil, Kamala Patil, **B.G.Sheeparamatti**, “Environmental Aspects of Electrical Energy Generation”, ISTE 32nd Annual Convention and National Seminar 27-29 Dec, 2002, NMAM Institute of Technology Nitte (Paper presentation)
5. S.A.Angadi, C.M.Javalagi, **B.G.Sheeparamatti**, “ Synergy of Technical Education System and Society: A prerequisite for sustainable growth”, ISTE 32nd Annual Convention and National Seminar 27-29 Dec, 2002, NMAM Institute of Technology Nitte (Paper presentation)
6. **Sheeparamatti B.G**, Angadi S. A, “Embedded System Simulation: An Architecture for a Generic Tool”, International Conference on Digital Aided Modeling and Simulation (DAMS-2003) 6-8 Jan 2003, pg 88.
7. Kambalimath S.G, Sheeparamatti R.B, **Sheeparamatti B.G**, “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
8. **B.G.Sheeparamatti**, 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.
9. **B.G.Sheeparamatti**, 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
10. **Sheeparamatti B.G.**, 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 Vishakhapatnam.
11. **Sheeparamatti B.G**, 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.
12. **Sheeparamatti B.G**, Rajeshwari Sheeparamatti, Kadadevaramath J.S, “MEMS based Microcantilever Sensors and Actuators: Nuclear Microbatteries ” selected for National Conference on Emerging Technologies and Applications (ETA-2005) organized by Saurashtra University, Rajkot and Amoghsiddhi Education Society Sangli during 1-2 Oct. 2005
13. Rajeshwari Sheeparamatti, Vijayashri Budyal, **Sheeparamatti B.G**, “Implementation of I2C protocol using PIC Microcontroller ” selected for National Conference on Emerging Technologies and Applications (ETA-2005) organized by Saurashtra University, Rajkot and Amoghsiddhi Education Society Sangli during 1-2 Oct. 2005
14. **Sheeparamatti B.G**, 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 10th -11th Feb. 2006, pp- 502-505
15. **Sheeparamatti B.G**, 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 9th to 12th May 2006
16. **Sheeparamatti B.G**, 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 9th to 12th May 2006
17. Chayalakshmi C.L, Krishnamurthy Bhat, B.G.Sheeparamatti, “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 12th to 15th Oct. 2006
18. Chayalakshmi C.L, Krishnamurthy Bhat, **B.G.Sheeparamatti**, “Acceleration and Tilt Angle Measurement using accelerometer IC and Transmission of Data using CAN protocol”, Proceedings of 3rd Control and Instrumentation Systems Conference-CISCON-06 at Manipal Institute of Technology, Manipal, Karnataka during 3rd to 4th Nov. 2006.
19. Shashidhar Patil, **B.G.Sheeparamatti**, “ 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, Maharastra during 15th to 17th Sept. 2006
20. Amrut. A Yalagi , **Basavaprabhu. G. Sheeparamatti**, “Motivating Public/Mass to Explore Space” selected for oral/poster presentation in the IAC 2006, Valencia, Spain during 2nd -6th Oct 2006.
21. R.B.Sheeparamatti, **B.G.Sheeparamatti**, Manjula Bharamagoudar, Nayan Ambali, “Simulink model for Double Buffering” 32nd 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 9th 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 9th 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 58th 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 8th Workshop on Biosensors and Bioanalytical μ -techniques in Environmental and Clinical analysis at BITS Pilani Goa Campus during 3rd -6th Oct 2007
27. **B.G. Sheeparamatti**, J.S.Kaddadevaramath, R.B.Sheeparamatti, "Simulink Model for Microcantilever Beams Used in Bio-Sensing Applications" 2nd 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, 11th 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, during 18-20 Dec. 2009 organised by MIT Manipal.
30. Sujata Naduvinamani, **B.G. Sheeparamatti**, Sandeep Kalalbandi, " Simulation of cantilever based RF MEMS Switchusing Coventorware", proceedings of International Conference on Communication, Computation, Control and Nanotechnology, REC Bhalki during 29-30 Oct, 2010.

***Workshops/ Short-Term Courses/ Seminars Organized:**

Sl No	Name of the Course	Period		Funded by
01	Environmental awareness Camp at Yadahalli village and the theme was 'Safe Drinking Water'	March 30 th 1999.	Coordinator, KRVP(Karnataka Rajya Vijnan Parishat) branch, BEC Bagalkot	KRVP (Karnataka Rajya Vijnan Parishat) and Basaveshwar Engineering College, Bagalkot
02	Environment Awareness Week-2000	17 th to 23 rd August 2000	Coordinator, KRVP branch, BEC Bagalkot	Bagalkot District Administration and Basaveshwar Engineering College, Bagalkot
03	AICTE-ISTE sponsored Short Term Training Program on "EMBEDDED SYSTEMS AND APPLICATIONS"	22 nd to 27 th March 2004	Coordinator	AICTE-ISTE sponsored
04	Faculty Development Program on "Embedded systems"	5 th to 10 th Feb. 2007	Coordinator	TEQIP Sponsored
05	"Workshop on Microcontrollers" for E & E students of BEC	17-19 th Oct. 2007	Coordinator	-Nil-

*Memberships and Activities in Professional Associations:

Sl No	Name of Society	Type of Membership	Membership No. & Year
1	Indian Society for Technical Education (ISTE)	Life Member	LM-14289(1993)
2	Bio-Medical Engineering Society of India (BMESI)	Life Member	LM-455 (1998)
3	Karnataka Rajya Vijnana Parishat (KRVP)	Life Member	2001
4	Institute of Smart Structures and Systems (ISSS)	Life Member	LM-111(2004)
5	The Planetary Society of Youth, Bagalkot	Life Member	2004
6	Institute of Electronics and Telecommunication Engineers (IETE)	Life Member	M-169624(2004)
7	Institute of Engineers (India) (IEI)	Life Member	M-1294649(2005)
8	Biosensor Society of India	Life Member	2005
9	Youth Hostel Association of India	Life Member	2006

Books Published:

1. *Vaidyakeeya Upakaranagalu mattu Avugala Upayogagalu* - ವೈದ್ಯಕೀಯ ಉಪಕರಣಗಳು ಮತ್ತು ಅವುಗಳ ಉಪಯೋಗಗಳು (Medical Equipments and their Applications) a book published by Visveswaraya Technological University, Belgaum Karnataka (2006) written in Kannada language for common man.
2. *Biomimetics : nisargada tantrajnanā* ಬಯೋಮಿಮೆಟಿಕ್ಸ್-ನಿಸರ್ಗದ ತಂತ್ರಜ್ಞಾನ (Biomimetics : Technology of Nature) a book published by Visveswaraya Technological University, Belgaum, Karnataka (to be published in 2011) written in Kannada language for common man.

*Invited Lectures/ Seminars:

1. Worked as resource person for Short Term Training Program on “Advanced Microprocessors at BVVS’s Polytechnic BAGALKOT during Nov. 1999
2. Technical talk on “Microsystems” at AICTE-ISTE sponsored Short Term Training Program on “EMBEDDED SYSTEMS AND APPLICATIONS” held from 22nd March to 27th March 2004 at Basaveshwar Engineering College, BAGALKOT.
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
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.
5. Invited talk on “Embedded Systems” at BVVS’s Polytechnic BAGALKOT on 5th Nov. 2004.
6. Worked as resource person for Short Term Training Program on “VHDL, Microcontroller and MATLAB” at BVVS’s Polytechnic (Autonomous) BAGALKOT during 26and 27th Oct. 2005.
7. Invited talk on “Introduction to Computers” in the Workshop on Web Page Design and its Applications organized by E & CE Dept. Basaveshwar Engineering College, under TEQIP
8. Invited talk on “Medical Equipments” (in Kannada language) in the Workshop on Electrical Safety for Women organized by E & E Dept. Basaveshwar Engineering College, under Tribal and Women Development (TEQIP)
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 6th to 11th March 2006 under TEQIP

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 14th to 19th Aug 2006
11. Invited talk on “Interfacing Techniques: Microprocessors, Microcontrollers, PC’s” in the Workshop on “ Mechatronics Training Kit & Robotics Simulation Software ” organized by Mechanical Engineering Dept. Basaveshwar Engineering College, under TEQIP during 24th to 26th Aug 2006.
12. Invited talk on “Basics of Microcontrollers and interfacing” Polytechnic Guledgudd—29th Aug 2006
13. Invited talk on “Embedded Systems and Microcontrollers” in BVVS’s Polytechnic Bagalkot on 1st Sept. 2006
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 & CE Engineering Dept. Basaveshwar Engineering College, Bagalkot under TEQIP during 5th to 10th Feb. 2007
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 15th to 17th Feb. 2007
16. Invited talk on “Embedded Systems” in the E-week program organized by the Dept. of Electronics, Basaveshwar Science College, Bagalkot on 19th Feb. 2007.
17. Invited talk on “MEMS Fabrication Techniques” in the Faculty Development Program organized by the Dept. of Mechanical Engineering, Basaveshwar Engineering College, Bagalkot during 16th to 21st April 2007.
18. Invited talk on “Nanotechnology and MEMS” in the ISTE chapter of C B Kore Polytechnic, Chikodi on 1st Feb. 2008.
19. Invited talk on “MEMS in wireless sensor networks” in the VTU-VGST sponsored FDP on “Recent Advances in Wireless Sensor Networks” during 10th to 12th Feb. 2011.
20. Invited talk on “Introduction and Applications of MEMS” in the IETE Sponsored National Technical Paper Contest 2011 on 08-06-2011.

***Conferences/ Symposiums/ Workshops/ Training Programs Attended:**

Conference/ Seminar	Organized by	Period
National seminar on Recent Advances in Automation in Manufacturing	Institute of Engineers Mangalore Local Center and NMAM Institute of Technology, Nitte	16th Feb. 2002,
ISTE 32nd Annual Convention and National Seminar	NMAM Institute of Technology Nitte	27-29 Dec,2002,
International Conference on Digital Aided Modeling and Simulation (DAMS-2003)	CIT Coimbatore	□□Jan□□
International conference on Human Machine Interfaces (ICHMI) 2004	IISc Bangalore	20-23 Dec. 2004
International Conference on materials, structures and systems	Institute of Smart Structures and Systems(ISSS), IISc Bangalore	July 28-30, 2005.
National Conference on Communication and Computational Techniques (NCCT-06)	Dehradun Institute of Technology Dehradun	Feb 10-11, 2006
International MEMS Conference 2006 (IMEMS 2006)	Nanyang Technological University, Singapore and Institute of Bioengineering and Nanotechnology, Singapore	May 9-12, 2006
Symposium on Micro and Nano Fabrication	Team Tech Foundation, Association for machines and Mechanisms, and Deccan Institute of advanced Studies at Aeronautical Society of India, Bangalore	Aug 11-12, 2006

IEEE International Industrial Electronics Conference (IECON-06)	Paris, France	Nov 6-10,2006
National Conference on Recent Advances in Design Engineering (RADE 2007)	Manipal Institute of Technology, Manipal	Feb 22 to 24, 2007
11 th Annual International Conference of NSTI - Nanotech 2008	Nano Science and Technology Institute, USA at Hynes Convention Canter, Boston USA	June 1 to 5, 2008

***Training Programs and Short Term Courses Undergone:**

Training Program	Organized by	Period
Specialized Managerial Training Course in Marketing Management	Small Industries Development Organization, Ministry of Industry, Govt. of India	26 th July to 6 th Aug 1988
In-plant training on Manufacture of B/W Television Picture Tubes	Kalyan Keonics Ltd BIDAR & NEC OTSU, JAPAN	Sept. to Dec. 1988
Digital Communication through Satellites	Malnad College of Engg & MCF HASSAN	5-7-1993 to 17-7-1993
Microwave and optoelectronic Devices	IIT MADRAS	13-12-1993 to 24-12-1993
Modern Trends in Computer Based Automation	ISTE & GS Institute of Tech & Science INDORE, & DAVV INDORE	3-1-1994 to 14-1-1994
Electronic Design Automation Tools	AICTE Sponsored National Workshop organized by E &CE Dept. Basaveshwar Engineering College, Bagalkot	19 th to 21 st Oct 1995
Internet Workshop	CSEA and IIT Bombay	11 th and 12 th Oct. 1997
Digital Signal Processors	Texas Instruments and IIT Bombay	28 th to 30 th Sept.88
Bio-Signal Processing and Simulation	Karunya Institute of Technology COIMBATORE	29-5-2000 to 10-6-2000
VLSI and CAD for VLSI	Bangalore Institute of Technology BANGALORE	4-9-2000 to 9-9-2000
PIC Microcontrollers	Siddaganga Institute of Technology TUMKUR & Microchip Technologies Inc., BANGALORE	23-2-2001 to 28-2-2001
Microcontroller, Embedded System Design and its Industrial Applications	KLE College of Engg & Technology BELGAUM	22 nd to 25 th Oct. 2002
Workshop on MEMS	BVB College of Engg & Technology HUBLI	7 th and 8 th Nov. 2003
MATLAB for Analysis and Simulation of Electrical, Electronics and Control Systems	Nirma Institute of Technology AHMEDABAD & AICTE-ISTE	1 st to 12 th Dec. 2003
Workshop on Pico Peta Simputer	East-West Institute of Technology BANGALORE	30 th and 31 st Jan. 2004
Learning Organization and Knowledge Management in Technical Education.	Basaveshwar Engineering College Bagalkot and AICTE-ISTE	16 th to 21 st Feb. 2004
VLSI Design and Test Workshops 2004	VLSI society of India and Infosys MYSORE	26 th to 28 th Aug. 2004
MEMS and Mechatronics	NIT Karnataka, Surathkal	22 nd Nov. to 4 th Dec. 2004
International Workshop on recent advances in smart materials, structures and systems	Institute of Smart Structures and Systems, IISc Bangalore	22 nd Dec. 2004
PreConference Workshop on MEMS: Technology, Devices and	Institute of Smart Structures and Systems, IISc Bangalore	27 th July 2005

Applications		
NanoSciences and Engineering	Visvesvaraya Technological University, Belgaum, Karnataka	28th Sept to 8th Oct. 2005
National Workshop on “Intellectual Property Rights Studies”	Basaveshwar Engineering College, Bagalkot, AICTE New Delhi, & TEQIP World Bank	17th-18th Feb 2006
Embedded System Development using ARM controllers	ISM (Indian Service Machine) Bangalore	5th March 2006
Vision R & D	Basaveshwar Engineering College Bagalkot and TEQIP World Bank	13th to 18th March 2006
CEP on Finite Analysis and Design using ANSYS (Fead.ANSYS 2007)	Dept. of Mechanical and Civil Engineering, I I T Madras	Aug. 28 to 2007 Sept. 01 2007
QIP Short Term Course on Biologically inspired Computational Techniques	CCE, I I Sc Bangalore	4th to 8th Feb. 2008
Nanofabrication technologies	CCE, IISc (MCIT, Govt. of India)	16th to 17th April 2010
Hands on training on Nanofabrication technologies	CCE, IISc (MCIT, Govt. of India)	18th to 24th April 2010
MEMS Software training Programme	ECE Dept. IISc, Bangalore (NPMAS)	24th to 28th May 2010

***Visits Abroad:**

Name of the Country	Purpose	Duration of visit (month & year)
Japan	In-plant training on Manufacture of B/W Television Picture Tubes, at NEC plant, Otsu Japan sponsored by Kalyan Keonics Ltd., Bidar, Karnataka	Sept to Dec 1988
Singapore	To present research paper at International MEMS Conference 2006 (IMEMS 2006)	May 2006
France	To present research paper at IEEE International Industrial Electronics Conference (IECON-06) at Paris, France.	Nov. 2006
U.S.A	To present research paper at 11 th Annual International Conference of NSTI (Nano Science and Technology Institute) - Nanotech 2008, at Hynes Convention Center, Boston USA	June 2008

***Research Activities:**

Working as Co-ordinator, for MEMS Design Centre, E & CE Dept., Basaveshwar Engineering College, Bagalkot, under the NMDC (National MEMS Design Centre) programme of Govt. of India, since Dec. 2009.

***Administrative**

1. Worked as Coordinator ACME (Association for Communication and Modern Electronics), E & CE student association from 1990-1994.
2. Worked as organizing committee member and evaluator in “9th all Karnataka Children’s Science Congress” in association with KRVP, 20-22 Dec 2001.
3. Worked as Coordinator, KRVP unit of Basaveshwar Engineering College, Bagalkot.
4. Worked as evaluator for MAHITI SINDHU program of Karnataka Govt.
5. Worked as treasurer of The Planetary Society of Youth, Bagalkot from Oct 2005 to March 2007.
6. Worked as warden Engineering Boys Hostel, Basaveshwar Engineering College, Bagalkot, from Oct. 2000 to Oct. 2007.

7. Worked as member, Bagalkot District Science KRVP Unit during 2008-10.
8. Working as executive secretary of The Planetary Society of Youth, Bagalkot since March 2007.
9. Working as a BEC web site in-charge (<http://www.becbgk.edu>) since Aug.2006.

Other Activities:

1. Attended Trekking Expedition organized by Youth Hostels Association of India in the Kullu Manali and Parvati Valleys of Himachal Pradesh in May-June 1990. Organized trekking to “Sidila Padi” near Badami, a natural tunnel wherein cannibals lived there before five thousand years ago.
2. Undertaken environmental activities including tree plantation in Bagalkot.
3. Working as resource person for nearby Schools and Science Clubs for “Sky-Gazing” programs.
4. Worked as member of squad team of VTU for the UG/PG exam. June/July 2008.
5. Working as member BOS of E & CE dept of Basaveshwar Engineering College, Bagalkot.

References:

1. **Prof. Rakesh Lal**
Department of Electrical Engineering
I.I.T Bombay, MUMBAI
2. **Prof. R. N. Herkal**
Principal,
Basaveshwar Engineering College, BAGALKOT

(Dr. B.G. Sheeparamatti)