

## Faculty Profile - VTU FACULTY ID: DAB

**Dr.D.Abdul Budan**, *Professor*,  
Department of Mechanical Engineering  
GM Institute of Technology  
Davangere.



### Vision

Dedication to improve academic knowledge of students and motivate them to involve in research and development by active innovation.

### Educational Qualifications

1	Ph.D. ( Machining on GFRP Composites)
2	MTech in Production Engineering
3	BE (Mechanical)

### Professional Details

**Total experience: 36 years (Research 20,  
Teaching:36, Administrative (Principal,  
Dean, Chairman)10 years**

Ghousia College of Engineering, Ramanagaram. 1981 - 83	2 years
University BDT College of Engineering, Davangere 1983 - 2017	34 years

## PUBLICATIONS

### JOURNALS

1. N.K.Mehta,P.C.Pandey and D.Abdul Budan. *A Computer Aided Generative Process Planning Systems for Turned components based on Machining time and accuracy. Int. JI. Of Advances in Modelling and Simulation, AMSE Press, Vol.26, No.1, 1991, PP.1-12.*
2. D.Abdul Budan and S.Vijayarangan. *Quality assessment and delamination force evaluation in drilling GFRP composite material- a FEA and LEFM model. . Int. JI of Engineering Manufacture, Proceedings of the Institution of Mechanical Engineers. (I. Mech.UK). Vol.216 part-B, 2002, P.173-182.*

3. D.Abdul Budan S.Arunachalam and T.Page, *Use of Simulated annealing in the design and optimization of composite leaf spring*. . **Int. JI of Society of Manufacturing Engineering**.(SME-UK), 2004, PP,1-26.
4. I.Rajendran, D.Abdul Budan, S.Vijayarangan and S.Aarunachalam. *Evaluation of cutting forces on graphite/Epoxy, Glass/Epoxy and Kevlar/Epoxy composites..* **Int. JI of Society of Manufacturing Engineering**.(SME-UK) 2005, PP. 1-18.
5. M.V.Achuta, B.K.Sridhara, D.Abdul Budan. *A reliability based stress – life evaluation of aluminium graphite particulate composites*. **International Journal of Materials & Design** 29 2008, 769-774. Elsevier publications.
6. D.Abdul Budan. *Machinability study on FRP composites – A neural network analysis*. **Indian Journal of Engineering and Material Sciences**. Vol.11, June 2004. PP.193-200.
7. D.Abdul Budan. *Influence of fiber proportion and position on the machinability of GFRP composites- An FEA model*. **Indian Journal of Engineering and Material Sciences**.Vol.12, October 2005, PP.443-450.
8. D.Abdul Budan, Prashantha, Aravinda Pai.*Optimization of process parameters for high temperature brazing of Titanium (Ti-6Al-4V) Alloy – A Factorial Design Approach*. **Indian Journal of Chemical Engineer**. Indian Institute of Chemical Engineers (Sec A, Vol.48, January –March 2006. P. 3-9.
9. S.Vijayarangan, D.Abdul Budan, *Machining of Glass Fibre Reinforced Plastic material*. Technology, **Technology Journal of PSG College of Technology and Polytechnic, Coimbatore.**, Dec 2000 P.145-152
10. D.Abdul Budan, S.Vijayarangan, *Influence of Fibre Content on Delamination in Drilling GFRP Laminates- an FEA model*. **Technology Journal of PSG College of Technology and Polytechnic**, June 2001. P.1-6.
11. Achuta M. V, D.Abdul Budan, B.K.Sridhar, *Fatigue life Estimation of Hybrid Aluminium Matrix Composites*.issn 0973-9106, **Int. journal of design and Manufacturing Technologies**, Vol-2, July 2008, pp 14-22.
12. N.V.Yogananda Murthy,D.Abdul Budan,H.B.Nirnjana, *Property evaluation of ascast and heat treated Aluminium 7075 Alloy based composites reinforced with Hematite Particulate*, **International Journal of Mechanical Engineering**, Jan-June 2009, Volume 2,Issue-1, pp 23-26
13. Krishnamurthy.L., Sridhara.B.K., Abdul Budan.D.,Arunachalam.S. and Page.T. *A series of tool life studies on Aluminum Matrix hybrid composites*. **International Journal of Future Engineering and Technology**, October 2009, Vol.5, No.1, pp 26-32, ISSN:0973-2632.
14. Krishnamurthy, L. Sridhara, B.K. Budan, D. Abdul *Comparative study on the machinability aspects of aluminium-silicon carbide and al-graphite-silicon carbide hybrid composites*. **International Journal of Machining and Machinability of Materials**, v.10, no.1/2, 2011 June 26, p.137 (ISSN: 1748-5711) Inderscience Publishers Ltd., 2011 June

15. L. Krishnamurthy, D Abdul Budan, B.K. Sridhara, "Comparative Study on the Machinability aspects of Aluminium Silicon Carbide and Aluminium Graphite Composites", **Int. Journal of Materials and Manufacturing Processes**, Taylor and Francis, 22, 903-908, 2007
16. D. Abdul Budan, S. Basavarajappa<sup>1</sup>, M. Prasanna Kumar, Ajith G. Joshi .*Influence Of Fibre Volume Reinforcement In Drilling Gfrp Laminates*. **Journal of Engineering Science and Technology** Vol. 6, No. 6 (2011) 733 - 744 © School of Engineering, Taylor's University
17. D.Abdul Budan and T.S.Manjunath "Investigation on the Feasibility of Composite Coil Spring for Automotive Applications", **Journal of World Academy of Science, Engineering and Technology** 46 pp 662-666, 2010
18. Syed Ahmed, D.Abdul Budan, Joel Hemanth. *Wear Behavior of Chilled Aluminium Alloy – Kaolinite/Carbon Hybrid Metal Matrix Composites*. **International Journal of Emerging Technology and Advanced Engineering**. ISSN 2250-2459, ISO 9001:2008 certified journal, Volume.4, Issue.7, pp.609-616, July 2014.
19. Syed Ahmed, D.Abdul Budan, Joel Hemanth. *Mechanical Properties (Strength and Fracture Toughness) of Chilled Aluminium Alloy / Kaolinite/C Hybrid Metal Matrix Composites*. **International Journal of Emerging Technology and Advanced Engineering**. ISSN 2250-2459, pp.602-608.ISO 9001:2008 certified journal, Volume.4, Issue 7,July 2014.
20. Jayprakash, D.Abdul Budan, Joel Hemanth. *Fabrication and Mechanical Properties (Strength and Hardness) of Cryogenically solidified Nano Metal Matrix Composites (CNMMC'S)*. **International Journal of Emerging Technology and Advanced Engineering**. ISSN 2250-2459, ISO 9001:2008 certified journal, Volume.4, Issue.7, pp.378-382, July 2014.
21. R.H.Jayaprakash, Dr.D.Abdul Budan, Dr.Joel Hemanth. *Preparation and Investigation on Properties of Cryogenically Solidified Nano Metal Matrix Composites*. **International Journal of Emerging Technology and Advanced Engineering**. ISSN 2248-9622, Volume.4, Issue.8, (Version-2) August 2014, pp.74-79.
22. M.A.Pasha, D.Abdul Budan S.Basavarajappa, S.Manjunath Yadav and Nizamuddin , "Dry sliding wear behavior of PTFE filled with glass and bronze particles, *International Journal of Tribology*, trb82.3d 14/4/2011, 15:04:13.PP;1-6,
23. T S Manjunatha and D Abdul Budan, Manufacturing and experimentation of composite helical springs, *Indian Journal of Manufacturing Technology*, Vol.10, issue.4 April 2011, ISSN: 0972-7396. PP:3-10.
24. R.H.Jayaprakash, D.Abdul Budan and Joel Hemanth., Effect of Nano ZrO<sub>2</sub> particulate reinforcement on microstructure and fracture behavior of cryogenically solidified Aluminium Alloy (LM13) MMCs. *International Journal of Mechanical Engineering and Robotics Research*, ISSN 2278-0149, vol.4, No.1, January 2015. PP:340-349.

25. T S Manjunatha and D Abdul Budan, Indian Journal Materials and Mechanical Engineering, Machined Composite helical springs., 2009, Narosa publishing, New Delhi, PP:145-152.
26. L.Krishnamurthy, B.K.Sridhara D Abdul Budan and, Indian Journal Materials and Mechanical Engineering, Machinability of Aluminium hybrid composites.2009, Narosa publishing, New Delhi, PP:152-161.
27. M.V.Achuta, B.K.Sridhara and D Abdul Budan , Indian Journal Materials and Mechanical Engineering, Fatigue characterization of hybrid aluminium-silicon carbide-graphite particulate composites.2009, Narosa publishing, New Delhi, PP:16-23..
28. Budan.D.A,Vijayarangan.S,Arunachalam.S and Page.T.*An analysis of machining forces on Gr/Epoxy composites using Neural network approach” Journal of Modern Manufacturing Technology.* 1(2), December 2009, pp129-140, ISBN 0794-8415.
29. Budan, D.A., Vijarangan, S., **Arunachalam, S.** and Page, T., "An Analysis of Machining Forces on Graphite/Epoxy, Glass/Epoxy & Kevlar/Epoxy Composites Using a Neural Network Approach", *Intl. Journal of Future Engineering and Technology*, 4(1), October 2008, pp 28-35, ISBN 0973-2632
30. Krishnamurthy.L,Shridhara.B.K.Abdul Budan.D.Page.T. and Arunachalam.S. *Tool wear studies on Aluminum Matrix hybrid composites. Intl. Journal for manufacturing Science and Technology.* 11(1), December 2009, pp 5-8, ISBN 1524-1548.
31. Budan.D.A., Vijayarangan.S., Arunachalam.S., and Page.T.*Effect of fibre position and proportion on the machinability of GFRP composites – An FEA and Merchaants model. International Journal of Future Engineering and Technology*, October 2009, Col-5, No.1, pp 33-43, ISSN 0973-2632.
32. T S Manjunatha and D Abdul Budan, *Manufacturing and experimentation of composite helical springs for automotive suspension.Int. J. Mech. Eng. & Rob. Res.* 2012, ISSN 2278 – 0149 www.ijmerr.comVol. 1, No. 2, July 2012© 2012 IJMERR.
33. Tippeswamy Ekbote, K.S.Sadashivappa and D.Abdul Budan, *Dynamic analysis of Mono Leaf Spring of an automobile suspension system” pp.83-97, Int. JI. Of Mechl Engg Research (IJMER)* vol – 2, No.2 (2012)
34. M.V .Achutha, B.K. Sridhara & D. Abdul Budan, *“Fatigue life estimation of hybrid aluminium matrix composites”, International journal on design and manufacturing technologies*, Vol 2, issue 1, July 2008, Sathyabama University, pp. 14-21.

35. M.A.Pasha, D.Abdul Budan S.Basavarajappa, S.Manjunath Yadav and Nizamuddin ,“Studies on wear resistance of PTFE filled with glass and bronze particles based on Taguchi technique” Journal of Thermo plastic composites materials,May 24, 2012.
36. [Sadashivappa, K.S.](#); [Ekbote, T.](#); [Abdul budan, D.](#)Optimal design and analysis of mono leaf composite spring by finite element analysis, [IEEE](#)§ / 978-81-909042-2-3,2012.
37. L. Krishnamurthy, G.L.Shekar, D Abdul Budan, B.K. Sridhara, “*Machinability aspects of Aluminium Assessment of Aluminium- Graphite- Silicon Carbide Hybrid Composites*”, **Int. Journal of Advanced Material Research**, Vol-894, 2014, pp22-26.

## CONFERENCES

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39. D.Abdul Budan, S.Vijayarangan. *Influence of Cutting parameters and Fiber volumes on Surface finish in drilling GFRP Laminates-A Regression Analysis.* **17<sup>th</sup> Int. Conf on CAD/CAM**, Robotics and Factories of Future. (CARS & FOF –2001), Durban, South Africa, Vol.2, July 2001. P. 878-887
40. D.Abdul Budan, A.Muruganandam and S.Vijayarangan. *Cutting force evaluation in orthogonal machining of Glass/epoxy composite-a neural network analysis.* **4<sup>th</sup> Int. Conf on Mechanical Engineering**, (ICME-2001) Dhaka,. Dec.26-28, 2001. P61-66.
41. L.Krishnamurthy, D.Abdul Budan and B.K.Sridhar. *Comparative study on the machinability aspects of Aluminum Silicon Carbide and Aluminum Graphite Composite.* **2<sup>nd</sup> Int. Conf** "Advances in Production and Processing of Aluminium" APPA 2005 December 5 - 7 2005, Vol-III, PP.6.1-6.10.
42. M.V.Achuta, D.Abdul Budan and B.K.Sridhar, *Evaluation of fatigue Properties of Aluminium-Graphite Composites.* **2<sup>nd</sup> Int. Conf** "Advances in Production and Processing of Aluminium" APPA 2005 December 5 - 7 2005, Vol-II, PP.13.1-13.10.
43. D.Abdul Budan and Aravinda Pai, *Mechanical Properties and Machinability Evaluation of Al-2024 MMC.* **2<sup>nd</sup> Int. Conf** "Advances in Production and Processing of Aluminium" APPA 2005 December 5 - 7 2005, Vol-II, PP.12.1-12.12.
44. B.K.Sridhara, L.Krishnamurthy, D.Abdul Budan. *Machinability Studies on Aluminium Matrix Hybrid Composites.* **Int. Conf.** on Processing and Fabrication of Advanced Materials XVI, Singapore (NUS) 214-227Dec 2007
45. Rohit mishra, Shanthakumar.V, V. Subhashchandra, H. Kattimani, G. Premkumar and D. Abdul Budan, “*Six sigma process capability*” proceedings of the **int. conf.** on Advances in Materials Product Design and Manufacturing Systems, Bannari Amman Institute of Technology, Sathyamangala, Dec.2005 PP 691-696.

46. D.Abdul Budan, S.Vijayarangan, *Effect of Speed, Feed and Pad support on Drilling GFRP composite material*. Proceedings of the **16<sup>th</sup> National** Convention of Mechanical Engineers, National seminar on Future trends in Mechanical Engineering, Research and Development, University of Roorkee. Roorkee. Sept.2000 P.351-355.
47. D.Abdul Budan, S.Vijayarangan, *Evaluation of Thrust Force causing Delamination while drilling GFRP Composite material-A Regression model*. Proceedings of the **National** Conference on Computer Integrated Manufacturing and Design (NCCIDM-2001), AIT, Coimbatore. May 2001.P.186-191.
48. S.Vijayarangan and D.Abdul Budan *"Experimental Investigation on the drilling of GFRP composite material"*. Proceedings of the **National** Conference on Computer Integrated Manufacturing and Design (NCCIDM-2001), AIT, Coimbatore. May 2001. P.12-16.
49. D. Abdul Budan, S.Vijayarangan. *Orthogonal cutting on GFRP composite material – An FEA and Merchant's model*. Proceedings of **National** conference on Recent advances in material processing (RAMP-2001), Annamalai University, Annamalai nagar. Sept.7-8, 2001 P.451-458
50. D. Abdul Budan, S.Vijayarangan *A Statistical model to evaluate the machinability of GFRP composite material*. Proceedings of the **National** conference on mathematical and computational model (NCMCM).PSG College of Technology, Coimbatore. Dec.27-28.2001 P.167-172.
51. D. Abdul Budan, S.Vijayarangan. *Quality assessment in drilling GFRP laminates – An experimental study*. Proceedings of 2<sup>nd</sup> **National** Conference on Precision Engineering (COPEN-2001). PSG College of Technology, Coimbatore. Jan.11-13, 2002. P. 275-284.
52. D. Abdul Budan, S.Vijayarangan. *Effect of Fiber Content on Hole Quality in drilling Glass/Epoxy Composites – A Finite Element Analysis*. Proceedings of 2<sup>nd</sup> **National** Conference on Precision Engineering (COPEN-2001). PSG College of Technology, Coimbatore. Jan.11-13, 2002. P.205-213.
53. S.Vijayarangan, D. Abdul Budan and A.Muruganandam. *Orthogonal machining on Graphite/Epoxy composite material – A Neural Network Analysis*. XVI National Convention of Production Engineers and **National** Seminar on emerging trends in Manufacturing, Banaras Hindu University, Varanasi. Jan.19-20, 2002. P.199-204.
54. S.Vijayarangan, D.Abdul Budan, V.Krishnaraj and G.Ramu. *Influence of tool and cutting parameters on the machinability of GFRP composites-An experimental study*. Proceedings of the **National** Conference on Processing of Metals. PSG College of Technology, Coimbatore. Jan 31 – Feb 1, 2002. P.491-500.
55. D. Abdul Budan, S.Vijayarangan, V.Krishnaraj and M.Srinadh. *FEA model to predict the cutting forces in machining FRP composites*. Proceedings of the **National** Conference on Processing of Metals. PSG College of Technology, Coimbatore. Jan 31 – Feb 1, 2002. P.507-515.
56. D.Abdul Budan, S.Basavarajappa, S.Chandramohan and Arvinda Pai. *Effect of Graphite and Sic Reinforcement on the Mechanical Properties of Al-2024 (0) alloy*. **National** conference on Advanced Material and Manufacturing Technology, JINTU College of Engineering and CITD, Hyderabad. March 8-9, 2004 pp-25-28.

57. D.Abdul Budan, S.Basavarajappa, S.Chandramohan and Arvinda Pai. *Effect of Graphite and Sic Reinforcement on the Machinability of Al-2024 (0) alloy*. **National** conference on Advanced Material and Manufacturing Technology, JINTU College of Engineering and CITD, Hyderabad. March 8-9, 2004 pp-29-32.
58. D.Abdul Budan. *Drilling on FRP Composites – An Experimental Study*. Proceedings of One day **workshop** on Composites. BIET,Davangere. April 2003. pp-31-37.
59. D.Abdul Budan and Aravinda Pai. Analysis of Road accidents and remedial measures. 27<sup>th</sup> series student project program, Technical record 2003-04, **KSCST**, 2004, pp 42-43.
60. S.Vijayarangan, D.Abdul Budan, *Statistical Analysis of the effect of Cutting parameters and fiber content on hole quality in drilling Glass/Epoxy laminate*. Proceedings of the **National** seminar on Advanced Integrated Manufacturing Systems (AIMS-2001) MIT, Chennai, Feb 2-3, 2001.P.127-139.
61. M.V.Achuta, D.Abdul Budan and B.K.Sridhar. *Reliability Based stress-Life Evaluation of Aluminium Graphite Particulate Composite*. **National** conference on Advances in Engineering Design, Bannari Amman Institute of Technology, Sathyamangala, April 2005, PP.691-698.
62. L.Krishnamurthy, D.Abdul Budan and B.K.Sridhar. *Turning characteristics of Aluminium Silicon Carbide Composites*. **National** conference on Advances in Engineering Design, Bannari Amman Institute of Technology, Sathyamangala, 29-30 April 2005, PP.705-711.
63. M.V.Achutha, D. Abdul budan and B.K.Sridhara, “*Reliability Based Fatigue Analysis of Aluminium-Siliconcarbide Particulate Composites*”, proceedings of the **National** conference on Advances in Materials and Manufacturing Process, UBDTCE, Davangere. Sep 2007, PP 78-82.
64. T.S. Manjunatha, and D. Abdul Budan, “*Development of FRP Coil Spring*”, proceedings of the **National** conference on Advances in Materials and Manufacturing Process, UBDTCE, Davangere, Sep 2007, PP 90-93.
65. L. Krishnamurthy, D. Abdul Budan and B.K. Sridhara, “*Parametric Modelling for Machinability Studies for Aluminium-Graphite and Al-SiC Composites*”, proceedings of the **National** conference on Advances in Materials and Manufacturing Process, UBDTCE, Davangere, Sep 2007, PP 313-317.
66. Viswanatha D and D. Abdul Budan, “*Effect of Feed Rate and Drilling Speed on Hole Dimension During Drilling of E-Glass/Epoxy Composite Laminates*”, proceedings of the **National** conference on Advances in Materials and Manufacturing Process, UBDTCE, Davangere, Sep 2007, PP 318-321.
67. Sunil Kumar K and D. Abdul Budan, “*Dome to End Ring Welding Fixture for Production of Large Size Propellant Tanks*”, proceedings of the **National** conference on Advances in Materials and Manufacturing Process, UBDTCE, Davangere, Sep 2007, PP 222-227.
68. M.V.Achutha, B.K.Sridhara and D. Abdul budan, “*Fatigue characterization of hybrid aluminium-silicon carbide-graphite particulates*”, proceedings of the **Int. National** conference on Materials

and Mechanical Engineering, Dr.Mahalingam Institute of Engineering Technology. Jan 2009, PP 16-23.

69. T.S.Manjunath, D. Abdul budan, "*Machined composite helical springs*", proceedings of the **Int. National** conference on Materials and Mechanical Engineering, Dr.Mahalingam Institute of Engineering Technology. Jan 2009, PP 145-1152.
70. L.Krishnamurthy, D. Abdul budan and B.K.Sridhara, "*Machinability of aluminium hybrid Composites*", proceedings of the **Int. National** conference on Materials and Mechanical Engineering, Dr.Mahalingam Institute of Engineering Technology. Jan 2009, PP 153-161.
71. M.V.Achutha, B.K.Sridhara and D. Abdul budan, Fatigue life model for Hybrid Aluminium Silicon Carbide-Graphite composite. NM (1), **National** Conference on New Advances in thermal, Design, Materials and Manufacturing Engineering (NATDMME 2009).
72. Krishnamurthy, , B.K.Sridhara and D. Abdul budan Machinabil ,Fatigue life model for Hybrid Aluminium Silicon Carbide-Graphite composite. NM (1), **National** Conference on New Advances in thermal, Design, Materials and Manufacturing Engineering (NATDMME 2009).
73. D.A.Budan S.Arunachalam, *The Use of Simulated annealing in the design and optimization of steel and composite leaf spring.* .Nov 2004 pp1-28 **Society of Mechanical Engineers**, Dearborn, MI, USA, technical paper TP04PUB313
74. I.Rajendran, D.A.Budan, S.Vijayarangan and S.Aarunachalam. *Evaluation of cutting forces on graphite/Epoxy, Glass/Epoxy and Kevlar/Epoxy composites.*. July 28 2005, pp1-20 **Society of Mechanical Engineers**, Dearborn, MI, USA Technical paper TP05PUB105.
75. Abdul Budan, S.Vijayarangan, S.Arunachalam, I. Rajendran "*Composites*" July 28, 2005 pp 1-20 **Society of Mechanical Engineers**, Technical Paper TP05PUB105.
76. D.Abdul Budan, Mudassar Pasha, "*Studies on wear resistance of PTFE filled with glass and bronze particles based on Taguchi Technique.*" **International** conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT-2010), SIT, Tumkur, November 2010. pp.
77. D.Abdul Budan, Mudassar Pasha, *Dry Sliding wear behavior of PTFE filled with glass and bronze particles.* **International** conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT-2010), SIT, Tumkur, November 2010.pp.
78. B.A.Mudasar Pasha, D.Abdul Budan, S.Manjunath Yadav, S.Basavarajappa, and B.A.Nizamuddin, *Studies on wear resistance of PTFE filled with glass and bronze particles based on Taguchi Technique.* **National** conference on Advances in Mechanical Engineering (NAME -2010), Nov 12-13, 2010, JNNCE, Shimoga, pp 334-339.
79. B.A.Mudasar Pasha, D.Abdul Budan, S.Manjunath Yadav, S.Basavarajappa, and B.A.Nizamuddin, *Dry sliding wear behavior of PTFE filled with glass and bronze particles.* **National** conference on Advances in Mechanical Engineering (NAME -2010), Nov 12-13, 2010, JNNCE, Shimoga, pp 358-362.



80. D.Abdul Budan, T.S.Manunath, *Investigation on the feasibility of composite coil spring for automotive applications*. **International** Conference on Mechanical and Industrial Engineering, Singapore, World Academy of Science, Engineering and Technology, August 2010, pp 285-289
81. T.S.Manjunath, D.Abdul Budan, *Machined Composite Helical Springs*, Proceedings of **international** conference on recent trends in materials and mechanical engineering, (ICMME 2008), 18-20 December 2008, India, pp.
82. T.S.Manjunath, D.Abdul Budan and P.M.Nagaraj, *Analysis of glass fiber reinforced composite coil springs*. 20-22 May 2010, **International** conference on Frontiers in Mechanical Engineering – FIME 2010, Dept of Mech Engg, NITK, Surathkal, pp.50-57
83. T.S.Manjunath, D.Abdul Budan *Manufacturing of fiber reinforced composite coil springs*, **International** conference on emerging research and advances in Mechanical engineering, ERA 2009, Velammal Engineering College, Chennai, Tamilnadu, India, pp.90-95.
84. T.S.Manjunath, D.Abdul Budan and P.M.Nagaraj, *Fabrication and testing of composite helical spring*, Proceedings of **National** conference on Recent trends in mechanical engineering, 23-24 Nov. 2009, Dept of Mechl. Engg., Vemana Institute of Technology, Bangalore, pp.86-92
85. L. Krishnamurthy, D Abdul Budan, B.K. Sridhara, “Machinability Studies on Aluminium Graphite and Aluminium-Graphite-Silicon Carbide Hybrid Composites”, **National** Conference on New Advances in Thermal, Design, Materials and Manufacturing Engineering (NATDMME – 09) March, 2009, Malnad College of Engineering Hassan.
86. Ekbote Tippeswamy, Sadashivappa.K.S, Budan D Abdul, “Optimal design and analysis of monoleaf composite spring by finite element analysis”, Int.Ntl.Conference on Advances in Engineering Science and Management (ICAESM) pp.41-46, March 2012. Nagapattanam, Tamilnadu.,IEEE conference publication.

Programs conducted			
Sl.No.	Title of the Programme	Place	Date
1	Faculty Development	Two days workshop on Gaseous fuels for future Automobiles	11-12 Feb 2006
2	Faculty Development	Two days workshop on New trends in Materials and Manufacturing.	18 -19 Feb 2006
3	Service to the Community	One Week training Program on Machining	21-26 Aug 2006
4	Networking Programme	One day Seminar on FEA and its Application	30 <sup>th</sup> Aug 2006
5	Service to the Community	One Week training Program on Welding	9-14 Oct 2006
6	Faculty Development	One week refresher course on Adv.Topics	26-30 Mar 2007
7	Faculty Development	National Conference on Advanced Materials and Manufacturing Processes	5-6 Oct 2007

## University responsibilities

### University Statutory bodies :

- ❖ Dean (Faculty Engineering), Kuvempu University, Shankarghatta, Shimoga dist.
- ❖ Chairman PG (BOS) Mech Kuvempu University, Shankarghatta, Shimoga dist.
- ❖ Member (CAC) Kuvempu University, Shankarghatta, Shimoga dist.
- ❖ Member (Academic Sanate) Vishweshwaraya Technologiical University, Belgaum.
- ❖ Member (Purchase committee) Vishweshwaraya Technological University, Belgaum.
- ❖ Member (MPCC) Vishweshwaraya Technological University, Belgaum.
- ❖ Chairman (LIC committee) Vishweshwaraya Technical University, Belgaum.
- ❖ Member Board of Studies MSRIT, Banglore. An autonomous institution.
- ❖ Member Board of Studies NIE, Mysore, an autonomous institution.
- ❖ Member Board of Studies UVC, Banglore University.
- ❖ Expert Doctoral Committee for Mechanical Dept, UVC, Banglore University.
- ❖ Examiner to adjudicate Ph,D thesis of Anna University, Chennai.
- ❖ Examiner to adjudicate Ph,D thesis of Banglore University, Banglore.
- ❖ Examiner to adjudicate Ph,D thesis of Bharathiar University. Coimbatore.
- ❖ Chairman, Minority cell, Davangere University.
- ❖ Expert committee member for CAS promotions Banglore University
- ❖ Expert committee member in recruitment of teaching faculty, Kashmir University

### Other Services:

- Served as NCC Officer (2nd Lt ) for 4 Years.
- Served as Secretary and Chairman of various bodies in the dept and institution.
- Served as Nodal Officer (Finance) for World Bank aided TEQIP.
- Served as Proctor of Students association.
- Participated as Judge, Advisory Member and Convenor for various Cultural events during Students union Annual Programs.
- Visit as AICTE Expert Committee Member to Engineering Institutions

**Member Editorial Board :** International Journal of Mechanical Engineering, Serials Publications.

**Text Book Reviewed:** A text book titled "Introduction to composite materials and structural analysis" Proposed to publish under Universities Press (India) Private Limited, Hyderabad.

Workshops / Seminars / Conference attended			
1	Engineering Applications of Micro Processors	IISc, Banglore	27 <sup>th</sup> Feb – 30 <sup>th</sup> Mar 1985
2	Short term course on Heat Transfer and Diffusion in Continua	IISc, Banglore	9-21 Dacember 1985
3	Solar Thermal Energy Programme	KSCST, IISc, Banglore	14-15 February 1994
4	Reliability and Modelling and Evaluation	IIT, Bombay	2-13 May 1994
5	National Seminar on Advances in Integrated Manufacturing Systems	Anna University, Chennai	2,3 Feb 2001
6	Computer integrated Design and Manufacturing	Amrita Institute of Technology, Coimbatoe	14,15 May 2001
7	National Conference on Recent Advances in Materials Processing	Annamalai University, Annamalainagar	7,8 Sep 2001
8	National Conference on Mathematical and computational Models.	PSGCT, Coimbatore	27,28 Dec 2001
9	National Conference on Processing of Metals	PSGCT, Coimbatore	31Jan-1Feb 2002
10	Role of Technical Education in meeting the challenges of globalisation	UBDTCE, Davangere	12,13 Nov 2002
11	Recent Advances in Casting Engineering and Quality Management with ISO 2000 TQM QS 9000 TS 16949 Concepts	PSG College of Technology, Coimbatore	10-23 Nov 2003
12	International Conference on Materials, Product Design and Manufacturing System	Bannari Amman Institute of Technology, Sathyamangalam, TN	12-14 Dec 2005
13	Academic Autonomy of TEQIP Institutions	Dr.AIT, Banglore	30 <sup>th</sup> June 2006
14	Student Evaluation Methods in Autonomous Institutions	MCE Hassan	9-10 Feb 2007
15	Learning to Lead Adaptively	Cambridge Leadership Associates, SIT Tumkur	5,6 June 2007
16	Patent and Intellectual Property Rights	University BDT College of Engineering, Davangere	4-6 March 2009
17	National Conference on New Advances in thermal, Design, Materials and Manufacturing Engineering	Malnad College of Engineering, Hassan.	5-7 March 2009
18	Engineering Education Past, Present and Future	University BDT College of Engineering, Davangere	16-18 March 2009
19	One day workshop on engineering applications of BIOFUELS	Vishveshvaraya Technological University, Belgaum	19 <sup>th</sup> February 2013

**New Technology / Information learnt / exposed/PhD's Awarded**

Sl.No.	Date of Registration	Title of the Ph.D work	Status of the work
1	18.08.2004	Evaluation of Properties of Aluminium Silicon carbide Metal Matrix Composites having Fine Particles	Awarded
2	16.12.2003	Machinability Studies of Metal Matrix Hybrid Composites.	Awarded
3	16.12.2003	Investigation to evaluate the Fatigue behaviour of Hybrid Metal Matrix Composites	Awarded
4	30.08.2005	Development of Composite Coil Spring for Automotive Applications.	Awarded
5	17.06.2009	Development and characterization of cryogenically solidified  Al alloy/Al <sub>2</sub> SiO <sub>5</sub> /C hybrid metal matrix composite.	Awarded
6	17.06.2009	Studies on characterization of nitrogen – Zr reinforced cryogenically solidified Al alloy metal matrix composite.	Awarded

**Details of Academic e-Contents prepared / used**

1	CBCS Curricula,
2	Teaching, Conference, TEQIP, Research PPT presentations etc

**Membership details**

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FIE	Life Member Fellow Institution of Engineers (FIE) : F-115593-4
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