

Bio-Data

Dr. A.G. SHANKARA MURTHY

Professor

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PERSONAL DETAILS

Date of Birth: 20th July 1972

Permanent Address: “SAKSHI” #3424/79, 2nd Main, 2nd cross, Vinayaka Extension, Vidyanagara, Davanagere- 577005, Karnataka, India.

Languages Known: English, Hindi and Kannada

PROFILE SUMMARY

- Dynamic Professional with over 25 years’ of Experience in Teaching and Research
- Actively involved in teaching, research and development, directing the day-to-day academic and associated operations of the institution
- Experience in facilitating / coaching students by interactive discussions, “Hands-on” approach to help students to learn and apply concepts in reality.
- Ability to motivate team towards achieving organizational goals through excellent communication and presentation skills with CORE COMPETENCIES
- Strategic leadership focused on continuous improvement based on ethics, relationship, value and knowledge
- Establishing standards, procedures and quality metrics required to achieve desired results
- Quality research collaborating with internationally reputed research organizations and industries
- Facilitating video lectures like IMPARATUS online lecture, ZOOM, WEBEX, GOOGLE CLASS etc.,
- Using questionnaires, assignments and tests to teach curriculum along with recognizing and nurturing the creative potential of every student.
- Active participation in framing scheme and syllabus, thus keeping self-updated with latest technological developments.

EMPLOYMENT DETAILS

01-08-2019 – Till date, Professor, Mechanical Engg. Department, BIET Davangere-04.

01-09-2012 to 31-07-2019, Associate Professor, Mechanical Engg. Department, BIET Davangere-04.

01-09-2008 to 31-08-2012, Assistant Professor, Mechanical Engg. Department, BIET Davangere-04.

01-07-2006 to 31-08-2008, Senior Lecturer, Mechanical Engg. Department, BIET Davangere-04.

01-06-1995 to 31-06-2006, Lecturer, Mechanical Engg. Department, BIET Davangere-04.

EDUCATION QUALIFICATION

- Ph.D. from Mechanical Engg. Department, Indian Institute of Technology, ROORKEE, INDIA in 2010.
- M.Tech in Advanced Manufacturing Engg. From NITK, Surathkal, Karnataka, INDIA in 1998 with FCD
- B.E. in Mechanical Engg. from BIET, Davanagere, Kuvempu University, Karnataka, INDIA in 1995 with FCD.

Ph.D. Thesis Title:

“Characterization and Machinability studies in drilling of Al6061/SiCp Metal Matrix Composites”

LIST OF PUBLICATIONS:

International Journals:

1. Shankara Murthy A. G., Mehta N. K., Pradeep Kumar & Ramu, Ch. (2010), Experimental Investigations to Optimize Step Drill Geometry for Burr Minimization in Drilling Using Regression Model, IJMTM, 21(1-2) Paper 11, Inderscience publisher.
2. Shankara Murthy A. G., Mehta N. K and Pradeep Kumar (2008), Wear Behaviour of Al6061-10 wt. % SiC Particle Reinforced Metal Matrix Composite using RSM Technique, International Journal of Mechanical Engineering and Material Sciences (IJMEMS), Vol 1 (1), pp 37-43.
3. Shankara Murthy A. G., Umesh B S, S.swamy, A review of bearing system for a motorized high Speed milling Spindle. International Journal vol.6, Issue, 2, pp.12-21, March-April-2016.
4. Shankara Murthy A. G., Mehta N. K. and Pradeep Kumar (2018), Comparison of Dry Sliding Wear and Friction Behaviour of Al6061/SiC PMMC with Al6061, AIP, USA, Volume 1943, Issue 1, 10.1063/1.5029692 doi.org/10.1063/1.5029692.
5. Shankara Murthy A. G., Mehta N. K. and Pradeep Kumar (2018), Burr minimization in drilling of Al6061/SiCp Composite, Trans. of Applied Mechanics and Materials Journal, Scintific.Net, Switzerland, volume 895, pp.206-211. <https://doi.org/10.4028/www.scientific.net/AMM.895.206>

International Conference:

1. Shankara Murthy A. G., Mehta N. K., Kumar Pradeep & Ramu, Ch. (2006), Experimental Investigations to Optimize Step Drill Geometry for Burr Minimization in Drilling Using Regression Model, 22nd AIMTDR and 1st International Conference, December 2006, IIT Roorkee, Roorkee, India.
2. Shankara Murthy, A. G., Mehta N. K. and Kumar, Pradeep (2007), Characterization and Wear of SiC Particle-reinforced Al6061 Alloy Metal Matrix Composites, AMMT-2007, September, 2007, PEC Chandigarh, India.
3. Shankara Murthy, A. G., Mehta N. K. and Kumar Pradeep (2008), “Sliding wear and friction behavior of Al6061/SiC Particle Reinforced Metal Matrix Composites”, 23rd AIMTDR and 2nd International Conference, December 2008, IIT Madras, Chennai., India.
4. Shankara Murthy, A. G., Mehta, N.K. and Kumar Pradeep (2007), Wear Behaviour of Al6061-10 wt. % SiC Particle Reinforced Metal Matrix Composite using RSM Technique, INCCOM-6 and International Conference 2007, December 2007, IIT Kanpur, India.
5. Shankara Murthy, A. G., I.D.Singh, Jaiswar and A.Dwivedi (2008), Experimental Investigation of the Peel-up Type of Delamination in Drilling of Woven GFRP Laminates, Processing and Fabrication of Advanced Materials, XVII: Part 8: Polymer-based composites and Nano composites.
6. Shankara Murthy, A. G., Mehta N.K. and Kumar Pradeep (2010), Fabrication and Machinability studies on Al6061/SiCp MMCs, 24th AIMTDR and 3rd International Conference, December 2010, Andhra University, Vizag, India.
7. Shankara Murthy, A. G., Mehta N. K. and Kumar Pradeep (2018), Comparison of Dry Sliding Wear and Friction Behaviour of Al6061/SiC PMMC with Al6061, ICDEM-2018, NITK Surathkal, January 2018.
8. Shankara Murthy, A. G., Mehta N. K. and Kumar Pradeep (2018), Burr minimization in drilling of Al6061/SiCp Composite, October 2018 at GTMES 2018, MCE Hassan.

RESEARCH GUIDANCE: Ph.D (on going)

1. T shivanand, “Supply chain Management” Visvesvaraya Technological University, Belgaum.
2. B S Umesh , “Development of High Frequency Milling spindle”, Visvesvaraya Technological University, Belgaum.

Research Projects Undertaken Under National/State/Private Funding Agencies:

1. Shankara Murthy A. G, “Development of High Frequency Milling Spindle”, Sponsored by AICTE-RPS, Amount Rs.13.6 Lakhs., during 2013.
2. Shankara Murthy A. G, “Design and fabrication of dye sensitized solar cells”, Sponsored by KSCST Bangalore, Amount Rs.6,000/- Lakhs., during 2015.

3. Shankara Murthy A. G, “Non Coventional cutting of glass plate using hot air jet mixed with abrasives”, Sponsored by KSCST, Amount Rs.6,000/- during 2013.
4. Shankara Murthy A. G, “Design and Fabrication of Terrain Robot” sponsored by KSCST Bangalore Amount Rs.7,800/- during 2012-13
5. Shankara Murthy A. G, “Development of A Mobile Robot For Clearing Clogged Sewer Pipes” sponsored by KSCST Bangalore Amount Rs.4,200/- during 2009-10.
6. Shankara Murthy A. G, “Rapid prototyping by FDM” sponsored by KSCST Bangalore Amount Rs.4,000/- during 2001-02.

Continuing Education Programmes/Short Term Courses/Workshops/Seminars etc.

1. Served as organizing committee secretary for First State level ISTE student’s convention in April 2005.
2. Participated in Workshop on “Mathematics & Its Applications in Engineering” sponsored by ISTE-New Delhi on 18th Feb. 2010 at BIET, Davanagere, Karnataka,India.
3. Participated in One week Short Term Training Programme on “Computer Aided Design-Drafting”, 20-27, Sept.1997 at BIET, Davanagere, Karnataka,India.
4. Participated in Short Term Training Programme on “Processing of Composite Materials”, Sponsored by AICTE, New Delhi, held at BEC, Bagalkot, Karnataka, India from 26th Aug.2002
5. Participated in Short Term Training Programme on “Computer Integrated Manufacturing”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 12th -24th Aug.2002.
6. Attended One day workshop on “Quality Circles”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India on 27th July 2002.
7. Participated in Short Term Training Programme on “Computer Aided Design- Drafting”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 22nd -27th Sept.2001.
8. Participated in Short Term Training Programme on “Concepts and Practice of Computer Aided Design and manufacture”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 20th -31st Aug.2001.
9. Attended One day workshop on “Axes Drives for CNC Machines”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India on 14th Aug. 1998.
10. Participated in Short Term Training Programme on “Computer Aided Design-Drafting”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 20th -31st July 1998.
11. Participated in workshop on “CNC Machine Tools”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 18-19 Jan. 1997.
14. Participated in workshop on “Methodology of Teaching Machine Design and Allied Subjects”, Sponsored by AICTE, New Delhi, held at BIET, Davanagere, Karnataka, India from 27-31, July 1996.

PROFESSIONAL ACTIVITIES:

1. Awarded as Best Professor Appreciation Certificate by Impartus Innovations Bengaluru on 29-08-18.
2. Life Member of Professional body Indian Society for Technical Education (ISTE)-New Delhi.
3. Life Member of Professional body Institution of Engineers,IEI(India) -Kolkata.
4. Worked as LIC member for inspecting engineering colleges for granting affiliation during 2015-16.
5. Worked as Coordinator in Indira Gandhi National Open University (IGNOU) study centre 1311, BIET Campus, Davanagere from 01-04-2013 to 05-05-2017.
6. Served as Chief Editor for the annual magazine “TECHNOWAVE” for the year 2011-12.
7. Served as Member of Board of Examiners (BOE) for U.G. and P.G. Course of Mechanical and IP board of VTU Belgaum during 2011, 2012, 2015 and 2019.
8. Served as Deputy Chief co-ordinator of VTU Digitization centre at VTU Belgaum during 2011.
9. Served as chief co-ordinator of VTU Digitization centre at VTU Belgaum during 2012.
10. Presented an Invited talk on “Characterization and machinability studies on Al6061/SiCp MMCs” in the DST-sponsored National workshop on "Applications of Smart materials", NITK Surathkal, Karnataka, India, on 20th June 2010.
11. Presented an Invited talk on “Processing of composites” in STTP on Advances in Manufacturing and Precision Engineering” NITK Surathkal, Karnataka, India on 21-06-2011.
12. Presented an Invited talk on “Processing of Metal Matrix composites” in an FDP on Advances in composites and Nano-Materials at BVB Hubli, Karnataka India on 10-04-2014.
13. Presented an Invited talk on “Processing of Particulate Metal Matrix Composites” in an FDP on Recent trends in Advanced Materials and Manufacturing Processes at MSRIT Bangalore, on 31-12-2014.
14. Presented an Invited talk on “Burr Minimization in Drilling of Particle Reinforced Metal Matrix Composites,” in an FDP on Advanced Materials and Manufacturing Technology at BVB Hubli, Karnataka India on 9-10-2015.
15. Presented an Invited talk on “Machining of Metal Matrix Composites Composites,” in an FDP on Design and Manufacturing at PESCE Mandya, Karnataka India on 27-03-2017.
16. Presented an Invited talk on “Smart Materials,” Professional Lecture at Bapuji Polytechnic Davangere, Karnataka India on 27-09-2018.
17. Presented an Invited talk on “Processing of Advanced Materials,” Mechanoid Club, organized by Mechanical Engg. Dept. Rajeev Institute of Technology, Hassan, Karnataka, India on 04-10-2018.
18. Presented an Invited talk on “Robotics Technology for future,” Professional Lecture at Bapuji Polytechnic, Davangere, India on 19-09-2019.