

Curriculum Vitae

Name : **Dr. A.G. SHANKARA MURTHY**

Department : Mechanical Engineering

Permanent Address : "SAKSHI" #3424/79,2nd Main, 2nd cross,
Vinayaka Extension, Vidya Nagar, Davanagere-
577005, Karnataka, India.

Languages Known : English, Hindi and Kannada

PROFILE SUMMARY

- Dynamic professional with over 26 years of experience in Teaching and Research
- Ability to motivate the students in achieving their goals through excellent communication and presentation skills
- Actively involved in academic and administrative responsibilities
- Experience of facilitating / coaching students by interactive discussions, "hands-on" approach to help students learn and apply concepts in reality

CORE COMPETENCIES

- Establishing standards, procedures and quality metrics required to achieve desired results
- Collaborating quality research with industry, research organizations and eminent researchers
- Actively involved in board of examination, member of university Local inspection committee for granting affiliation and updating with the current technological development

EMPLOYMENT DETAILS

Professor : 01-08-2019 to Till date

Associate Professor : 01-09-2012 to 31-07-2019

Assistant Professor : 01-09-2008 to 31-08-2012

Senior Lecturer : 01-07-2006 to 31-08-2008

Lecturer : 01-06-1995 to 31-06-2006

ROLES:

- Dean Research and Development
- Institute coordinator of VIRTUAL Labs
- Institute coordinator of AICTE Activity Point Program
- Serving as Member of VTU-Local Inspection Committee
- Serving as VTU-Nominee for the selection of Final year student projects for funding under Innovative project scheme
- Served as Coordinator of IGNOU, New-Delhi study center -1311
- Monitoring and coordinating examination and results analysis
- Facilitating industry and research expertise for students

EDUCATION

- Ph.D. from Mechanical Engineering Department, Indian Institute of Technology, Roorkee, INDIA in 2010.
- M.Tech (Advanced Manufacturing Engineering) from NITK, Surathkal, Mangalore, Karnataka, INDIA in 1998 with First Class Distinction.
- B.E. (Mechanical Engineering) from Bapuji Institute of Engineering & Technology, Davanagere, Kuvempu University, Karnataka, INDIA in 1995 with First Class Distinction.

Ph.D. THESIS

Characterization and Machinability studies in drilling of Al6061/SiCp MMC

1. LIST OF PUBLICATIONS

1. International Journals:

1. Shankara Murthy, A. G., Deviprasad M. N., Varun G Guddadar (2020), Design and Analysis of Hybrid solar cell for e-vehicle charging, JJEM, Vol. 4/2, pp 21-28, doi.org/10.37314/JJEM.2020.040204.
2. Shankara Murthy, A. G., Mehta, N. K., Kumar (2019), Burr Minimization in Drilling of Al6061/SiCp Metal Matrix Composite, Applied Mechanics and Materials, Vol. 895, pp 206-211, Trans Tech Publications Ltd., Switzerland. doi.org/10.4028/www.scintific.net/AMM.895.206.
3. Shankara Murthy, A. G., Mehta, N. K., Kumar (2018), Comparison of dry sliding wear and friction behavior of Al6061/SiC PMMC with AL6061 alloy, AIP Proceedings, Vol. 1943, pp 020116 pp 1-9 (2018), doi.org/10.1063/1.5029692.
4. Umesh B S, Swamy S S, Shankara Murthy, A. G. (2016), A review of Bearing System for a Motorized Highh Speed Milling Spindle, Int. Journal of Applied science & Technology Research Excellence, Vol.6, issue 2, pp 12-22.
5. Shankara Murthy, A. G., Mehta, N. K., Kumar, Pradeep & 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.
6. Shankara Murthy, A. G., Mehta N. K, Kumar, Pradeep (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.

2. International Conferences:

1. Shankara Murthy, A. G., Deviprasad M. N., Varun G Guddadar, Design and Analysis of Hybrid solar cell for e-vehicle charging, International Conference i-NAME 2K20, organized by JNNCE Shimoga from 6-7 November 2020.
2. Shankara Murthy, A. G., Mehta, N. K., Kumar Pradeep, Burr Minimization in Drilling of Al6061/SiCp Metal Matrix Composite, International Conference, GTMES-2018 organized by MCE Hassan from 3-5 October 2018.
3. Shankara Murthy, A. G., Mehta, N. K., Kumar Pradeep, Comparison of dry sliding wear and friction behavior of Al6061/SiC PMMC with AL6061 alloy, International Conference ICDEM-2018 organized by NITK, Surathkal from 29-30 January 2018.

4. Shankara Murthy, A. G., Mehta, N.K., Kumar Pradeep, Fabrication and Machinability studies on Al6061/SiCp MMCs, 24th AIMTDR and 3rd International Conference, organized by Andhra University, Vizag, India from 13-15 December 2010.
5. Singh.I., Shankara Murthy, A. G., Jaiswar S., Divedi A., Experimental Investigation of the Peel-up Type of Delamination in Drilling of Woven GFRP Laminates, PFAM-XVII, organized by IIT Delhi from 15-17 December 2008.
6. Shankara Murthy, A. G., Mehta, N. K., Kumar Pradeep, Sliding wear and friction behavior of Al6061/ SiC Particle Reinforced Metal Matrix Composites”, 23rd AIMTDR and 2nd International Conference, organized by IIT Madras, Chennai, India from 13-15 December 2008.
7. Shankara Murthy, A. G., Mehta, N.K., Kumar Pradeep, Wear Behavior of Al6061-10 wt. % SiC Particle Reinforced Metal Matrix Composite using RSM Technique, INCCOM-6, organized by IIT Kanpur, India from 12-14 December 2007.
8. Shankara Murthy, A. G., Mehta, N. K., Kumar Pradeep, Characterization and Wear of SiC Particle-reinforced Al6061 Alloy Metal Matrix Composites, AMMT-2007, organized by PEC Chandigarh, India from 21-22 September 2007,.
9. Shankara Murthy, A. G., Mehta, N. K., Kumar Pradeep & Ramu. Ch., Experimental Investigations to Optimize Step Drill Geometry for Burr Minimization in Drilling Using Regression Model, 22nd AIMTDR and 1st International Conference, organized by IITR Roorkee, India from 21- 23 December 2006.

3. Research Guidance:

1. **Umesh B.S.**, Design and Development of a High Frequency Motorized Milling Spindle and Evaluation of its Dynamic Stability Using Audio Signal Measurements.

4. Books Published:

1. A CEP Course material on “ROBOTICS’ sponsored by Ministry of Human Resource Development (MHRD), Govt. Of India (GOI), New Delhi, 2002-2003.

5. Research Projects Undertaken Under National/State Funding Agencies:

1. Development of High Frequency Milling Spindle sponsored by AICTE-RPS during 2013 and sanctioned amount Rs.13.6 lakhs.
2. Design and fabrication of dye sensitized solar cells sponsored by KSCST Bangalore during 2015 and sanctioned amount Rs.6,000.
3. Non-Conventional cutting of glass plate using hot air jet mixed with abrasives sponsored by KSCST Bangalore during 2013 and sanctioned amount Rs.6,000.
4. Design and Fabrication of Terrain Robot sponsored by KSCST Bangalore during 2012 and sanctioned amount Rs.7,800.
5. Development of A Mobile Robot for Clearing Clogged Sewage Pipes sponsored by KSCST Bangalore during 2010 and sanctioned amount is Rs.4,200.
6. Rapid prototyping by FDM sponsored by KSCST Bangalore during 2002 and sanctioned amount Rs.4,000.

6. Continuing Education Programmes/Short Term Courses/Workshops/Seminars Attended:

- AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Industrial Automation using CNC and Intelligent Systems" organised by Manipal Institute of Technology, Manipal from 16-20 August 2021.
- AICTE Training and Learning (ATAL) Academy Online FDP on "ADDITIVE MANUFACTURING" organised by Hindustan College of Engineering and Technology, Chennai from 16-20 March 2021.
- INDO-US Virtual Workshop on REPROM sponsored by SPARC Govt. of India organised by IIT Roorkee from 19-21 February 2021.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Design thinking" organised by JNN College of Engineering, Shimoga from 18-22 January 2021.
- AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" organised by Indian Institute of Technology, Dharwad from 9-13 November 2020.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Strategy" organised by JNN College of Engineering, Shimoga, from 21-25 September 2020.
- Online FDP on Advanced Materials Fabrication, Characterization and Applications organized by KIIT Bhubaneswar from 20-25 July 2020.
- Online FDP on Advanced Technologies in Materials and Manufacturing Engineering, organized by Department of Mechanical Engineering, Dayanand Sagar University, Bangalore from 6-11 July 2020.
- Online FDP on Fracture Mechanics organized by PESITM Shimoga from 24-26 June 2020.
- Online FDP on Advances in Machining Process organized by PESITM Shimoga from 17-19 June 2020.
- Short Term Training Programme on Robotics and Automation, sponsored by QIP-AICTE, New Delhi and organised by IITK, Kanpur from 7-18 July 2003.
- Short Term Training Programme on Robotics and Automation, sponsored by AICTE-ISTE New Delhi and organised by NITK, Surathkal, from 24th Feb. to 8th March 2003.
- Short Term Training Programme on Processing of Composite Materials sponsored by AICTE, New Delhi and organised by BEC, Bagalkot Karnataka, India from 26th Aug. to 7th Sept. 2002.
- Short Term Training Programme on Computer Integrated Manufacturing, sponsored by AICTE-ISTE, New Delhi and organised by BIET, Davanagere, Karnataka, India from 12 -24 August 2002.
- Short Term Training Programme on Concepts and Practice of Computer Aided Design and manufacture, sponsored by AICTE-ISTE, New Delhi and organised by BIET, Davanagere, Karnataka, India from 20 -31 August 2001.
- Short Term Training Programme on Computer Aided Design- Drafting, sponsored by AICTE-ISTE, New Delhi and organised by BIET, Davanagere, Karnataka, India from 22 -27 Sept. 2001.
- Short Term Training Programme on Tool Engineering and Design, sponsored by ISTE New Delhi and organised by MCE, Hassan from 13-26 March 2000.
- Workshop on Methodology of Teaching Machine Design and Allied Subjects, sponsored by AICTE, New Delhi and organised by BIET, Davanagere, Karnataka, India from 27-31 July 1996.

7. Professional Activities:

- Life Member (M-1681626) of Professional body The Institution of Engineers (India).
- Life Member (LM 27477) of Professional body Indian Society for Technical Education (ISTE)- New Delhi.
- Reviewer: International Journal of Materials Science, Elsevier publishers.
- Appointed as Observer for JEE, UGC-NET, NEET-2018 and 2019, 2020 and 2021 examination by NTA New Delhi.
- Served as Member of Board of Examiners (BOE) for Composite Board of IP/IM/MA of VTU Belagavi for the year 2020-21.
- Served as Member of Board of Examiners (BOE) for Composite Board of IP/IM/MA of VTU Belagavi for the year 2018-19.
- Served as Member of Board of Examiners (BOE) for Composite Board of IP/IM/MA of VTU Belagavi for the year 2016-17.
- Served as Member of Board of Examiners (BOE) for Mechanical Engineering Board of VTU Belagavi for the year 2012-13.
- Worked as Coordinator in Indira Gandhi National Open University (IGNOU) study centre 1311, BIET Campus, Davangere from 01-03-2013 to 31-04-2016.
- Served as Chief Editor for the annual magazine of BIET Davangere "TECHNOWAVE" for the year 2012-2013.
- Served as Chief coordinator of Digital Valuation system, VTU Belagavi during 2011 and 2012.
- Served as organizing committee secretary for First State level ISTE student's convention during April 2005.
- Served as Secretary of Indian Society for Technical Education (ISTE) New Delhi-BIET, student chapter during 2003-2004.
- Invited as judge for Project exhibition in TECHZONE at JNNCE Shimoga during 2012 and 2018
- Invited as judge for Project exhibition and Technical paper presentation during Malika at GMIT Davangere, during 2013, 2015 and 2017.
- Worked as coordinator KSCST for Inhouse student project Exhibition organised by BIET, Davangere during 2018.
- Conducted Induction and orientation program conducted for newly entrants at IGNOU SC-1311 during 2013,2014,2015 and 2016
- Invited as Chairperson in International Conference I-NAME 2K20 organised by JNNCE Shimoga on 7th November 2020.
- Invited chairperson for technical paper presentation competition TECHZONE 2019-Mechanical Engineering & Related areas (ME/IP/Auto etc.,) at JNNCE Shimoga on 27th April. 2019.
- Invited as Chairperson in International Conference ICDEM-2018 organised by NITK Surathkal on 30th January 2018.
- Invited as Chairperson in International Conference GTMES--2018 organised by MCE Hassan on 5th October 2018.
- Invited talk on Processing of Advanced Materials, organised by Mechanoid Club, Mechanical Engineering Department, RIT, Hassan, Karnataka, India on 4th October 2018.
- Invited talk on Machining of Metal Matrix Composites in an FDP on Design and Manufacturing, organised by PESCE Mandya, India on 27th March 2017.

- Invited as Chairperson in International Conference organised by STJIT Ranebennur during 12th April 2016.
- Invited talk on Burr Minimization in Drilling of Particle Reinforced Metal Matrix Composites in an FDP on Advanced Materials and Manufacturing Technology, organised by BVB Hubli, India on 9th oct.2015.
- Invited talk on Processing of Particulate Metal Matrix Composites in an FDP on Recent trends in Advanced Materials and Manufacturing Processes, organised by MSRIT Bangalore India on 31st Dec.2014.
- Invited talk on Processing of Metal Matrix composites in an FDP on Advances in composites and Nanomaterials at BVB Hubli, India on 10th April 2014.
- Invited talk on Processing of composites during an STTP on Advances in Manufacturing and Precision Engineering organised by NITK, Surathkal, Karnataka, India, on 21st June 2011.
- Invited talk on Characterization and machinability studies on Al6061/SiCp MMCs DST-sponsored National workshop on Applications of Smart materials, NITK, Surathkal, Karnataka, India, on 20th June 2010.
- Delivered Professional Lecture delivered on Non-Destructive Testing at Mechanical department, Bapuji Polytechnic Davangere, Karnataka on 11th February 2021.
- Delivered professional Lecture on ROBOTICS FUTURE TECHNOLOGY at E & C Department, Bapuji Polytechnic, Davangere on 15th September 2019.
- Delivered Professional Lecture delivered on Smart Materials at Mechanical department, Bapuji Polytechnic Davangere, Karnataka on 27th Sept. 2018.