

CURRICULUM VITAE

Dr. Amarnath.G_{Ph.D}

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Academic Qualifications

- PhD (metal matrix composites) in Mechanical Engineering, UVCE Bangalore, Bangalore University, Bangalore 2016.
- M.E.in Manufacturing science and Engineering, UVCE, Bangalore, Bangalore University 2002.
- B.E, Bachelor of Engineering in Mechanical Engineering, KREC Surathkal Mangalore University, 1989.

Experience

- 23years of experience in Teaching and Research and three years Industry.

Academic:

- Associate Professor, RR Institute of Technology, Bangalore, 27th July 2015
- Associate Professor, VVIT, Bangalore, 1st Feb 2012 to 20th July 2015.
- Assistant Professor, Department of Mechanical Engineering, Rajiv Gandhi Institute of Technology, Bangalore. 23th Sept 2011 to 31st Jan 2012.
- Assistant Professor, Department of Mechanical Engineering, HKBK college of Engineering, Bangalore Sept 2009 to Sept 2011.
- Sr. Lecture/Lecturer, Dept. of Mechanical Engineering, MVJ College of Engineering, Bangalore Sept 2001 to 31th Aug 2009.
- Lecturer Dept. of Mechanical Engineering, Pavan Polytechnic Kolar, August '1997 – August '1999.
- Graduate Apprentice Trainee in Bharath Earth Movers Ltd., K.G.F. From May '1996 –May 1997'
- Lecturer Dept. of Mechanical Engineering, KJTET Polytechnic Mulbagal, August 1993 – June 1996.
- Production Engineer in G R Engineering Works Ltd. White field , Bangalore from Nov 1991- Nov 1993

Evaluation and others:

- As a NBA Cordinator guiding the department of ME, for accreditation at MVJCE Bangalore
- VTU Flying Squad committee Chairman in July 2013
- Deputy Chief Superintendent of VTU Examination July-Aug 2006.

Memberships of Professional Bodies

- Indian Society of Technical Education
- ORSI (Operations Research Society of India)

Research funds

- MODROBS Grants of Rs 8Lakhs for the project titled "Coputrerised Profoile Profile Projector in the year 2008-9 at MVJCE.

Equipment's developed

- Gear Involute profile tester
- Automatic steering lamp mechanism.
- Pick & Place Robot

Study Materials developed

- Notes for Manufacturing Process-I,II and Foundry Technology
- Laboratory Manual for machinshop
- Laboratory Manual for Material testing laboratory.

Programs/Seminars/Conferences Attended

- Attended two days Workshop on “Project management” conducted by MVJCE on 16th & 17th Dec 2004.
- Attended one week course on “Instruction Design and Delivery” conducted by Teachers Training Institute (TTTI, Chennai) from 18th Aug to 23rd Aug 2003 at MVJCE, Bangalore.
- Participated in one-day expository workshop on “Foundations of Global Supply Chain Management” Organized by MVJCE on 27th Sept. 2003 at IISc. Campus, Bangalore.
- Participated in one day expository workshop on Recent Trends in Nanotechnology and its Applications on 19th April 2005 at MVJCE Bangalore.
- Participated in the AICTE Sponsored National level Staff Development Program on “Recent advancements in metrology, engineering measurements and experimental techniques” from 16th to 28th JUNE 2008 at MSRIT, Bangalore.
- Participated in Faculty Development Program ‘Workshop on Scanning Electron Microscopy’ at R.V.College of Engineering,Bangalore from 8th to 10th April,2013.
- Participated in one day workshop on Advances in Welding Technology on 24th April 2015 at VVIT Bangalore.
- Participated in one day workshop on Composite Materials and their Applications on 26th October 20013 at VVIT Bangalore.

Publications

Referred Journals

1. Amarnath.G and Dr. K.V. Sharma, “Microstructure and Tribological Properties of Nanoparticulate WC/Al Metal Matrix Composites” International Journal of Mechanical Engineering and Technology ,ISSN 0976-6340, Volume 4,Issue 2, March-April (2013),pp.178-188.
2. Amarnath.G and Dr. K.V. Sharma, “Microstructure And Mechanical Properties of Nanoparticulate WC/Al Metal Matrix Composites” International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 www.ijres.org Volume 1 Issue 7 | Nov. 2013 | PP.01-07
3. K.V. Sharma and Amarnath. G, “Microstructure and Corrosion Behaviour of Wc/Al Nano Particulate Metal Matrix Composites” International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 8, Number 12 (2013) pp. 1427-1437.
4. Srikanth.B.G and Amarnath.G “Microstructure and Tribological Behaviour of Aluminium reinforced with Tungsten Carbide Particulate and Fly Ash Metal Matrix Copposites.”International Journal of Research in Engineering and Technology, ISSN

2321-7308 volume 4, Issue 5, May 2015.

5. Srikanth.B.G and Amarnath.G “Characterisation of Aluminium reinforced with Tungsten Carbide Particulate and Flyash Metal Matrix Composites.” International Journal of Engineering Research and Technology, ISSN 2278-0181, volume 4, Issue 5, May 2015.

Programs/Seminars/Conferences Attended

1. Presented a paper on TRIBOLOGICAL PROPERTIES OF NANOCOMPOSITES in Twenty First Annual International Conference on COMPOSITES/NANO ENGINEERING (ICCE – 21) at Tenerife, Spain, July 21-27,2013.
2. Presented a paper on “Study of Corrosion Behaviour on Ageing of WC Particulate Reinforced Aluminium Nanocomposites” in the International conference on Mechanical Engineering organised by The Society of Information Processing, Bengaluru and Vijayavittala Institute of Technology Bengaluru.INDIA, August 21-23 2014
3. Presented a Paper on “Aluminum –Granite sandwich composite material” in NAFEMS INDIA SYMPOSIUM on Composite Products from Concept Design to Manufacturing on 24 - 25th July 2009.
4. Presented a paper on “ Automatic steering lamp mechanism.” In National conference at RRIT Bangalore on Advancements in Science Engineering and Technology from 6th to 7th May 2016.

Course Subjects taught:

UG Level

- 1) Manufacturing processes -I, 2) Manufacturing processes- II,
- 3) Manufacturing processes- III, 4) Mechanical Measurements and Metrology
- 5) Foundry Technology, 6) Engineering Graphics 7) Mechatronics & microprocessor
- 8) Turbo machines 9) Mechanics of Materials, 10) Materials science & Metallurgy
- 11) Quality Assurance & Reliability 12) Operations Research
- 13) Applied Thermodynamics 14) Automotive Engineering 15) Total Quality Management
- 16) Project Management.

PG Level:

- 1) Advanced Foundry Technology 2) Design for Manufacture and Assembly
 - 3) Manufacturing and materials in Aircraft
- Good exposure in Machine tools and Lab equipments.
 - Familiar with all machining processes.
 - Exposure with computers. **Software:** MS office,.. **Packages:** Solid Edge

Student Projects Guided

- UG: 12
- PG: 03
- PhD- Registered – 01

Curricular and co-curricular activities

Placement Cordinator at RRIT, NBA Cordinator 2006MVJCE, Bangalore.

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1. Attended two days Workshop on “Project management” conducted by MVJCE on 16th & 17th Dec 2004.
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