

CURRICULUM VITAE

1. Name of the Staff : K.BUSCHAI AH
 2. Father's Name : Sri. K.Yellaiah
 3. Date of Birth : 02.03.1971
 4. Designation : Instrumentation Engineer/Scientist
 5. Department : Mechanical Engineering
 6. Field of Specialization : Production Engineering
 7. Address for Correspondence : Dept. Mechanical Engg., UCE, O.U.
 8. Academic Qualifications :

Degree	Institute/University	Specialization	Year of Pass
B.Tech.	J.N.T.U.	Mechanical Engineering	1996
M.E.	Osmania University	Mechanical Engineering	2004
Ph.D.	Osmania University	Mechanical Engineering	Pre-Ph.D. passed and pursuing

9. Teaching Experience :

Organization	Designation	Period	
		From	To
Osmania University	Academic Consultant (Part-time)	2003	Till date

10. Industrial Experience:

Organization	Designation	Period	
		From	To
Flowell Pump Industries	Quality Inspector	1991	1992
Nuclear Fuel Complex	Technician Apprentice	1992	1993
Bharat Dynamics Limited	Technical Assistant	1993	1994
Osmania University	Lab. Assistant	1994	2010
Osmania University	I.E. / Scientist	2010	Till date

11. Number of Publications : 16
 12. Number of Ph.D.s Guided : ---
 13. Number of M.E. Projects Guided : ---
 14. Research Projects : ---
 15. Courses taught at PG and UG :

<u>Course taught</u>	<u>Level</u>
• Metallurgy & Material Science	UG
• Manufacturing Processes	UG
• Tool Design	UG
• Unconventional methods of machining & forming	UG
• Engineering Graphics – II	UG
• Experimental Techniques & Data Analysis	PG
• Metal Forming Science	PG
• Advanced Metrology	PG
• Tool Engineering	PG
• Theory and metallurgy of metal casting and welding	PG
• Product design and process planning	PG

16. Contributions to the department	:	In general involved in every developmental activity of the department and in particular, <ul style="list-style-type: none"> • Establishment and development of CAD/CAM lab. • Establishment and development of CNC machines lab. • Establishment and development of RPT centre.
17. Administrative Experience	:	---
18. Membership of Professional Bodies	:	01(ISTE LM 83840)
19. Seminars/Conferences/Symposia/Workshops etc. Attended	:	20

Seminar

- Participated in One Day Seminar on Advanced manufacturing Systems (AMS'09) at MED, OU, Hyderabad (July 30, 2009).

International Conference

- Participated in International conference on Quality and reliability in aerospace systems organized by DRDO, Hyderabad (January 15-17, 2006).
- Participated and presented a technical paper in International conference on Advances in Manufacturing Engineering at MIT, Manipal (Oct.24-26, 2007).
- Participated and presented a technical paper in the 3rd International & 24th AIMTDR Conference – 2010 at University College of Engineering (A), Andhra University, Visakhapatnam during Dec.13 – 15, 2010.

National Conferences

- Participated and presented a technical paper in National level Technical Conference on ETME at SVITS, Mahabubnagar (January 23-24, 2004).
- Participated and presented a technical paper in National level Conference on RTMMA at St.Joseph's College of Engineering, Chennai (February 2-3, 2004).
- Participated and presented a technical paper in National Conference on AIM at Vasavi College of Engineering, Hyderabad (May 13-14, 2005).
- Participated and presented a technical paper in National Conference on COMPUTIME at MED, University College of Engineering, OU, Hyderabad (September 16-17, 2005).
- Participated and presented a technical paper in National Conference on RAME at MED, University College of Engineering, OU, Hyderabad (March 16-17, 2012).

Workshops

- Participated in National workshop on Research methodologies and report writing at MED, OU, Hyderabad (June 27-28, 2003).
- Participated in National workshop on Finite Element Methods at MED, VITS, Hyderabad (December 3-4, 2005).
- Participated in National workshop on COSMECFLOWS at MED, OU, Hyderabad (December 5, 2005).
- Participated in the TEQIP National workshop on "Industry institution interaction at Taj Residency, Hyderabad (July 20-21, 2006).
- Participated in 2 day workshop on "Non-destructive testing" at MED, OU, Hyderabad (September 23-24, 2006).

- Participated in 2 day workshop and training programme on “Inventing into future” at UCE, OU, Hyderabad (November 9-10, 2006).
- Participated in 2 day workshop on “Prospective areas of research in Mechanical Engineering and related approaches” at SVITS, Mahabubnagar (Feb.15-16, 2008).
- Participated in 3 day workshop on “Advances in Manufacturing Processes” at MED, NIT, Warangal (August 8-10, 2008).
- Participated in 2 day National workshop on “Micromachining and Nanofabrication” at Production Engineering Department, **Jadavpur University**, Kolkata (August 29-30, 2008).
- Participated in 3 day workshop on “Computational Fluid Dynamics – theory and Practice” at MED, O.U., Hyderabad (March 7-9, 2009).
- Participated in 2 day workshop on “Nano Technology and its Applications” at MED, CBIT., Hyderabad (Feb.27 - 28, 2012).

20. Orientation/Short-term Courses Attended : 13

Refresher course

- Participated in the refresher course on “Computer Aided Engineering” at MVSR Engineering College, Hyderabad (July 3-7, 2006).

Short term training programme (STTP)

- Participated in AICTE-ISTE funded STTP on “Computer applications in manufacturing technology” at MED, OU, Hyderabad (May 27-June 1, 2002).
- Participated in the Five day QIP STTP on “Micromachining and Micro fabrication” at **IIT Bombay**, (June 8-12, 2009).

Training programs

- Participated in National training program on “System Engineering in solar hot water systems” at NISIET, Hyderabad (April 26-May 2, 1995).
- Participated in training program on “Power tools usage” at MICO BOSCH, Bangalore (April 3-5, 2006).
- Participated in 2 week advanced training on “CNC programming and operation (VMC)” at ATI, Hyderabad (December 11-22, 2006).
- Participated in 5 day advanced training on “CNC programming and operation (VMC)” at M/s.3 CEES Technologies, Hyderabad (January 16-20, 2007).
- Participated in 2 day training on “CNC programming and operation” at Mechanical Engineering Department, O.U., Hyderabad (March 23-24, 2007).
- Participated in 5 day training on “CATIA V5 Basic plus Advanced Mechanical Design & Sheet metal design” from M/s.EDS Technologies Pvt. Ltd., Bangalore at Mechanical Engineering Department, O.U., Hyderabad (Nov.20-30, 2007 for 5 days).
- Participated in 5 day training on “Unigraphics NX4 Manufacturing Module” from M/s. TATA Consultancy Services Ltd., Hyderabad at Mechanical Engineering Department, O.U., Hyderabad (July 7-12, 2008).

Staff Development Programmes

- Participated in staff development programme sponsored by AICTE, New Delhi on “Plastics product manufacturing techniques and its advancements” at CIPET, Hyderabad (Nov.19-30, 2007).

- Participated in staff development programme sponsored by AICTE, New Delhi on “Technological improvements in plastics processing and testing” at CIPET, Hyderabad (Aug.09-20, 2010).
- Participated in faculty development programme in Entrepreneurship, sponsored by NSTEDB, DST, New Delhi at UCE, O.U., Hyderabad (Aug.26th – Sept.9th 2010).

21. Workshops/Training Programmes Conducted : ---

22. List of Publications :

International Journals : 01

- **K.Buschaiah**, P.Laxminarayana and V.S.R.Murti “Some Anomalies in the Experimental Results of EDM”, *International Journal of Manufacturing Technology and Management*, Vol. 24, Nos. 1/2/3/4, pp 57-70, 2011.

International Conferences : 02

- **K.Buschaiah**, P.Laxminarayana and V.S.R.Murti “Inconsistent Results on Machining Rates in EDM and the Associated Noise Factors”, *Proc. of International Conf. on Advances in Manufacturing Engineering(ICAME-2007) Oct.24-26, 2007, MIT, Manipal.*
- **K.Buschaiah**, P.Laxminarayana and V.S.R.Murti “Some Anomalies in the Experimental Results of EDM”, *Proc. of the 3rd International & 24th AIMTDR Conference – 2010 at College of Engineering (A), Andhra University, Visakhapatnam during Dec.13 – 15, 2010.*

National Conferences : 13

- V.S.R.Murti, V.Narsimha Rao, P.Laxminarayana and **K.Buschaiah** “The effect of pulse parameters on the surface finish of spark eroded surfaces”, *Proc. of National Conf. on reliability and quality in Aerospace Technologies, Nov. 28-29, 2003, ADA, Bangalore.*
- **K.Buschaiah** and V.Narsimha Rao “Mechanism of sparking and surface generation in EDM”, *Proc. of National Conf. on emerging trends in the field of Mechanical Engineering, Jan. 23-24, 2004, SVITS, Mahabubnagar.*
- N.N.Ramesh, V.Narsimha Rao and **K.Buschaiah** “Analysis of electro discharge sawing, a modified EDM process”, *Proc. of National Conf. on recent trends in manufacturing, modeling and analysis, Feb.2-3, 2004, St. Joseph’s College of Engineering, Chennai.*
- N.N.Ramesh, **K.Buschaiah** and V.Chittaranjan das “Hiatuses in the knowledge base of electro discharge machining” *Proc. of National Conf. on state of the art of technologies in Mechanical Engineering(NCSAME)2004, JNTU, Hyderabad.*
- V.S.R.Murti, M.A.Aleem Sadiq, N.N.Ramesh and **K.Buschaiah** “Microhole drilling by a variant EDM process”, *Proc. of National Conf. on competitive manufacturing technologies and management for global marketing Jan.7-8, 2005, B.S.Abdur Rahman Crescent Engineering College, Chennai.*

- **K.Buschaiah** “Innovatory electro discharge machining (EDM) processes for diverse applications”, *Proc. of National Conf. on advances in Mechanical Engineering May 13- 14, 2005, Vasavi College of Engineering, Hyderabad.*
- **K.Buschaiah** “Spatial and shape characteristics of engineering surfaces”, *Proc. of National Conf. on Computational methods in Mechanical Engineering September16-17, 2005, MED, UCE, OU, Hyderabad.*
- N.N.Ramesh and **K.Buschaiah** “Effect of typical process parameters on the machining characteristics of electro discharge sawing”, *Proc. of National Conf. on state of the art of technologies in Mechanical Engineering(NCSAME) May 5-6, 2006, JNTU, Hyderabad*
- A.Parshuramulu, **K.Buschaiah**, P.Laxminarayana and V.S.R.Murti “*Processing of Ceramics and Metal Matrix Composites with Electro Discharge Machining*”, *Proc. of National Symposium on Advances in Chemical Engineering (ChemE) Nov.22-24, 2007, UCT, OU, Hyderabad.*
- A.Krishnaiah, J.Deepa and **K.Buschaiah** “*Influences of Process Parameters on Machining of 304 Stainless Steel and Aluminium by EDM*”, *Proc.of National Conference on Recent Trends in Manufacturing Technology (RTMT-2011), March 11-12, 201, Anna University, Chennai.*
- **K.Buschaiah**, A.Parshuramulu and P.Laxminarayana. “*Some Grey Areas in the Knowledge Base of EDM*”, *Proc. of National Conference on Recent Advances in Mechanical Engineering (RAME-2012) March 16-17, 2012, MED, OU, Hyderabad.*
- A.Parshuramulu, **K.Buschaiah** and P.Laxminarayana. “*Surface generation mechanism in EDM*”, *Proc. of National Conference on Recent Advances in Mechanical Engineering (RAME-2012) March 16-17, 2012, MED, OU, Hyderabad.*
- A.Parshuramulu, P.Laxminarayana, **K.Buschaiah** and U.Ashok Kumar. “*Optimising the Control Parameters in Electrical Discharge Machining*”, *Proc. of National Conference on Recent Advances in Mechanical Engineering (RAME-2012) March 16-17, 2012, MED, OU, Hyderabad.*

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