

RESUME

PERSONAL DATA:

NAME Dr.S.Srinivas

DATE OF BIRTH Dec 19th, 1964

NATIONALITY AND RELIGION Indian-Hindu



LANGUAGES KNOWN Kannada, Telugu, English

ADDRESS

Office

Associate Professor
Dept. of Mech. Engg.
BMS College of Engineering
Bengaluru - 560 019
Ph.No: 08880377627
08310205377
Email: ss_bms@yahoo.co.in
drss.mech@bmsce.ac.in

Residential

115, V.N.Classic Apts
II floor, 5th Main (west)
ITI Layout, BSK III Stage
Kattriguppe,
Bengaluru - 560 085

EDUCATION:

EXAMINATION	BOARD/UNIVERSITY	YEAR OF PASSING	PERCENTAGE
Ph.D	IITM, Chennai	May 2010	* Details are given below
M.Tech (Production Engg. & system Tech.	National Institute of Engineering, Mysore (Mysore university)	April 1994	70% I Class with distinction
B.E (Automobile)	Malnad College of Engineering, Hassan (Mysore university)	Nov 1987	74.8% I Class with distinction

*Department
Name of the guide
Area of Research

Mechanical Engineering of IITM, Chennai
Prof.N.Ramesh Babu
MODELING AND ANALYSIS OF ABRASIVE WATERJET CUTTING OF METAL MATRIX COMPOSITES

WORK EXPERIENCE:

- 1) 22-2-1995 to till date (24 yrs 7 months) BMS College of Engg. Bangalore-560019 (EID 2353227)
 - 2) 15-9-1994 to 20-02-1995 (5 months) Kalpataru Institute of Tech, Tiptur
 - 3) Feb 1989 to Nov 1991 (2 yrs and 9 months) MVJ College of Engg, Bangalore-560 067
- Total teaching experience** Over 27 years

CURRENT DESIGNATION: Professor since 23-1-2014

BOOK CHAPTER PUBLISHED:

- Sri.C.A.Niranjan, Dr.S.Srinivas and Dr.M.Ramachandra, published Book Chapter titled “Abrasive Water Jet Cutting - A Risk free Technology for Machining Mg Based Materials” (Book Name: Magnesium - The Wonder Element for Engineering / Biomedical Applications) March 31, 2019, <https://www.intechopen.com/online-first/abrasive-water-jet-cutting-a-risk-free-technology-for-machining-mg-based-materials>

PUBLICATIONS:

International Journals: (20)

2019 (1)

- R VENKATESH AND S SRINIVAS, “Effect of Hot and Cold Forging on Hardness, Tensile Strength and Microstructure of Al6061 Metal Matrix Composites Reinforced with Silicon Carbide Particles”, Indian Foundry Journal, vol 65, Issue 6, June 2019, pp 25-39. ISSN:0379-5446.

2018 (12)

- N R Prabhu Swamy and S Srinivas, “An investigation on surface roughness of aluminium metal matrix composites cut by abrasive waterjet” Materials Science and Engineering 455 (2018) Pp 1-9, <https://doi.org/10.1088/1757-899X/455/1/012089>, ISSN: 1757-899X
- Bharathi.V, M. Ramachandra and S Srinivas, “Mathematical Modeling of dry Sliding Wear Behaviour of Stir – Squeeze cast Aluminium Matrix Composite” Materials Science and Engineering 455 (2018) Pp 1-12, <https://doi.org/10.1088/1757-899X/455/1/012008>, ISSN: 1757-899X
- C A Niranjan , S Srinivas, M Ramachandra, “Effect of process parameters on depth of penetration and topography of AZ91 magnesium alloy in abrasive water jet cutting”, Journal of Magnesium and Alloys 6 (2018) 366–374, ISSN: 2213-9567. Impact factor : 4.523
- Prabhuswamy N R, S Srinivas, Aref Vasli, Sheshashayan M V, Venkatesh S and Yash Roongta, “Abrasive waterjet cutting of aluminium 6061-silicon carbide metal matrix composites”, Indian Foundry Journal, vol-64, Issue-3, March 2018, pp 48-54. ISSN:0379-5446.
- Subbaraya Mohan Kumar, S Srinivas, M Ramachandra, K V Mahendra, “Synthesis and Evaluation of Properties of Al-Flyash SiC Composite”, Intl Journal Of Modern Engineering Research, Vol 8, I 01, Jan 2018, pp 92-97, ISSN: 2249–6645
- Nikhil Kagalkar, S. Srinivas, Dhananjaya B. R, “Determination of Shear Strength and Failure Type of the Sealant using Lap Shear Test” Materials Today: Proceedings 5 (March 2018) pp 2752–2758, ISSN: 1369-7021

- Prabhushwamy N R, S Srinivas, Aref Vasli, Sheshashayan M V, Venkatesh S, Yash Roongta, “Machinability Studies of Aluminium 6061 cut by Abrasive Water Jet”, *Materials Today: Proceedings* 5 (March 2018) pp 2865–2870, ISSN: 1369-7021
- Niranjan C.A, Srinivas S, Ramachandra M, “An Experimental Study on Depth of Cut of AZ91 Magnesium Alloy in Abrasive Water Jet Cutting”, *Materials Today: Proceedings* 5 (March 2018) pp 2884–2890, ISSN: 1369-7021
- Supriya S B , S Srinivas, “Machinability Studies on Stainless steel by abrasive water jet – Review”, *Materials Today: Proceedings* 5 (March 2018) pp 2871–2876, ISSN: 1369-7021
- Subbaraya Mohan Kumar, S Srinivas, M Ramachandra, K V Mahendra, “Influence of Heat Treatment on Microstructure and Mechanical Properties of Particle Reinforced Al2024 Composites” *International Journal of Interdisciplinary Research and Innovations*, Vol. 6, Issue 3, pp: (39-43), Month: July - September 2018, ISSN 2348-1226
- Subbaraya Mohan Kumar, Srinivas S, Ramachandra M, Mahendra K V and Ragavendra J. V, “Analysis of Connecting rod of Al2024 Alloy Composite using FEA Technique” *International Journal of Scientific Research and Reviews*, 2018, 7(4), 01-11, ISSN: 2279–0543
- Subbaraya Mohan Kumara, S Srinivas, M Ramachandra, K V Mahendra, “Characterization of Aluminium Metal Matrix Composite Produced By Squeeze Casting Technique”, *Materials Today: Proceedings* 5 (2018) 22718–22726, ISSN: 2214-7853

2017 (1)

- Bharathi.V, M. Ramachandra, S.Srinivas, “Influence of Fly Ash content in Aluminium matrix composite produced by stir- squeeze casting on the scratching abrasion resistance, hardness and density levels” *Materials Today: Proceedings* 4 (Nov 2017), pp 7397–7405, ISSN: 2214-7853

2016 (1)

- S. Srinivas, N. Ramesh Babu, “Predicting Depth of Penetration in Abrasive Waterjet Cutting of Polycrystalline Ceramics”, *World Academy of Science, Engineering and Technology, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering* Vol:10, No:10, 2016, Pp 1257 – 1263. This paper was presented at 18th International Conference on Composite materials (ICCM 2016), October 17-18, 2016, London, United Kingdom and awarded best paper of the conference. ISNI:0000000091950263

2015 (2)

- T. S. Mohan kumar, S Srinivas, M Ramachandra, K V Mahendra, Madeva Nagara “Effect of Fly ash and SiC Particulates Addition on Mechanical Properties of Al -

4.5wt.% Cu Alloy Composites”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 12, Issue 4 Ver. I (Jul. - Aug. 2015), PP 01-05

- T.S. Mohan Kumar, S. Srinivas, M. Ramachandra, K.V.Mahendra, Madeva Nagaral, “Mechanical Properties of Al-4.5 wt. % Cu – SiC and Al-4.5 wt. % Cu–Fly Ash Composites: A Comparative Study”, International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 4 Issue 7, July-2015

2014 (1)

- Balasubramanya H S, J. Sharana Basavaraja, S.Srinivas, Ravi Kumar V, Wear rate behavior of As-Cast and heat treated Aluminum Metal Matrix Composites, Procedia Materials Science 5 (2014) pp 1049-1055, ISSN:2211-8128 © 2014 Elsevier Ltd

2012 (1)

- Dr.S.Srinivas, and Dr.Ramesh Babu, N. Penetration ability of abrasive waterjets in cutting of aluminum-silicon carbide particulate metal matrix composites, Machining Science and Technology:An International Journal, 16:3, Aug 2012, pp 337-354, Print ISSN: 1091-0344 Online ISSN: 1532-2483

2011 (1)

- Dr. S.Srinivas, and Dr. Ramesh Babu, N. Role of garnet and silicon carbide abrasives in abrasive waterjet cutting of aluminum-silicon carbide particulate metal matrix composites, Int. J. of Applied Research in Mechanical Engg, V1, Issue 1, 2011, pp 109-122, ISSN: 2231 –5950

2009 (1)

- S.Srinivas, and Ramesh Babu, N. An analytical model for predicting depth of cut in abrasive water jet cutting of ductile materials considering the deflection of jet in lateral direction, Int. J. of Abrasive Tech, V2,No.3, 2009, pp 259-278, ISSN online 1752-265X

National Journal: (3)

2016 (2)

- Balasubramanya H S, J. Sharana Basavaraja, S.Srinivas, Investigation on Two-body Abrasive Wear Behaviour of TiB₂ Reinforced Aluminum Metal Matrix Composite, Indian Foundry Journal, v 62, no 12, pp 52-55,Dec 2016, ISSN: 0379-5446
- V. Bharathi, M. Ramachandra, S. Srinivas, Comparison of Dry and Wet Sliding Wear Behavior of Squeeze Cast Aluminum Alloy, Indian Journal of Advances in Chemical Science **S1** (2016) 101-106, ISSN No.: 2320-0898

2013 (1)

- Bharathi V, M Ramachandra, S Srinivasa, P Sampathkumaran, S Vynatheya and S Seetharamu, The Wear & Friction Characteristics of Glass-Epoxy Composites for Coal Handling Parts in Thermal Power Plants, The Journal of CPRI, Vol. 9, No. 4, December 2013 pp. 597-602, ISSN 0973 - 0338

International Conferences: (12)

2018 (4)

- Prabhuswamy N R, S Srinivas, “A model for average surface roughness for abrasive waterjet cut metal matrix composites” 7th International And 28th All India Manufacturing Technology, Design And Research Conference 2018 (AIMTDR 2018) 13^h - 15^h December 2018, Anna University, Chennai 600 025, India.
- Mahesh J Hunakunti, Vaishali Jagannath, Ramesh S Rao, S Srinivas, Shyamsundar S, Ashokkumar D, “Optimization of Cutting Parameters for Hard Turning of WC-Co-Ni-Cr (15% binder) Mill Rolls on CNC Lathe with Polycrystalline Diamond” 7th International And 28th All India Manufacturing Technology, Design And Research Conference 2018 (AIMTDR 2018) 13^h - 15^h December 2018, Anna University, Chennai 600 025, India.
- Supriya S B , S Srinivas, “Machining Capabilities of Abrasive Waterjet on Stainless Steel 304” International Conference on Green trends in Mechanical Engineering Sciences (GTMES-2018) organized by Malnad college of Engineering, Hassan, Oct 3-5, 2018.
- Keshav Kashyap, S Srinivas, “Effect of Process Parameters on Depth of Penetration & Surface Roughness in Abrasive Water Jet Cutting of Copper” International Conference on Green trends in Mechanical Engineering Sciences (GTMES-2018) organized by Malnad college of Engineering, Hassan, Oct 3-5, 2018.

2017 (4)

- Raghavendra.Y.Ratnagiri and Dr.S.Srinivas, “Effect of Process Parameters on Abrasive Water Jet Penetration Capabilities on Inconel 718” Proceedings of 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10), December 07-09, 2017, Indian Institute of Technology Madras, Chennai-600 036, India, pp 404-407, ISBN: 978-93-80689-28-9
- Rajesh Patel K and Dr S Srinivas, ”Abrasive Water Jet Turning of Aluminum-silicon Carbide Metal Matrix Composites” Proceedings of 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10), December 07-09, 2017, Indian Institute of Technology Madras, Chennai-600 036, India, pp 412-415, ISBN: 978-93-80689-28-9
- Dr.S.Srinivas, Dr.N. Ramesh Babu, “An analytical model for predicting depth of penetration in abrasive waterjet cutting of metal matrix composites” 9th International

Conference on Industrial Tribology (ICIT-2017), December 6-9,2017, Kolkata, India, December 06-09, 2017

- Nikhil Kagalkar, S.Srinivas "Manufacturing of Helical Gears using Abrasive Waterjet Machining and Gear Hobbing - A Comparison" International conference on Manufacturing Technology and simulation (ICMTS-2017), 7th & 8th July, 2017, IIT Madras, pp 386-390.

2016 (1)

- J Sharana Basavaraja, S Srinivas, Balasubramanya H S, Nishanth Gowda N, "Comparative studies on synthesis and characterization of Epoxy and Polyester reinforced with Glass fibres" International Conference on Advanced Materials and Applications (ICAMA 2016), 15-17 June 2016, BMS College of Engineering, Bengaluru, India

2010 (1)

- Dr. S.Srinivas, and Dr. Ramesh Babu, N, "ABRASIVE WATERJET – A TOOL FOR MANUFACTURING" Int. Conference on Advanced materials, Manufacturing, Management & Thermal Sciences, 18-19th Nov, 2010, SIT, Tumkur

2006 (1)

- S.Srinivas, and Ramesh Babu, N. An analytical model for predicting depth of cut in abrasive waterjet cutting of ductile materials, Proceedings of the 22nd All India Machine Tool Design and Research Conference, IIT Roorkee, India, Dec 21-23, 2006, pp 863-868

1996 (1)

- S.Srinivas and B.J. Ranganath. Selection of optimum values of cutting parameters for CNC program generation using Expert system, Proceedings of Int. Conference on Agile Manufacturing, Bangalore, Feb 22-24, 1996, pp 111-115. ISBN: 0-07-463052-0

SPONSORED RESEARCH PROJECTS:

1. Abrasive Waterjet Cutting of MMCs , Total Value: 90 LAKHS (On-going)

Funding agency : TEQIP-II under Sub-Component 1.2.1
(No. AC/TEQIP-II/CoE/13/12th July, 2013)

2. Machining Studies of Advanced Materials using wire cut Electric discharge machine (WEDM) Total Value: 13 LAKHS (On-going)

Funding agency : TEQIP-II Additional Grants 2016

LIST OF STUDENTS PURSUING PH.D:

Completed:

NO	NAME	USN	PARENT Organization	Year of Registration	RESEARCH TOPIC
1	V.Bharathi (Co- guide)	1BM10PMN01 GM	BMSCE Bangalore	1-11-2010 Defended her thesis on 24-2-2018	Dry And Wet Lubrication Wear Studies On Stir- Squeeze Cast Aluminium Based Metal Matrix Composites
2	Prabhu Swamy N. R. (Main guide)	IBM11PMN03 GM	BMSCE Bangalore	3-2-2012 Defended his thesis on 12-1-2019	Surface Roughness Analysis of Al-SiC _p Metal Matrix Composite Cut by Abrasive Water jet

Undergoing:

NO	NAME	USN	PARENT Organization	Year of Registration	RESEARCH TOPIC
1	T.S.Mohan kumar (Main guide)	IBM11PMM02 Cat -1 Group A	Jyothi Institute of Tech Bangalore	1-5-2011 Comprehensive viva is over. Synopsis uploaded. Writing thesis.	Characterization of hybrid aluminum Matrix Composite produced through Stir- squeeze casting
2	Balasubramanya.H.S (Co- guide)	IBM11PMN02 GM	MSRIT, Bangalore	7-12-2011 Comprehensive viva is over. Thesis uploaded	Studies on abrasive wear and modeling
3	Venkatesh R (Main guide)	1BM13PMN05 GM	Bosch Ltd, Audugodi, Bangalore	19-11-2013 Comprehensive viva is over. Developing model	Suitability of forged Aluminum Metal matrix composites over Al-Si alloy for Automotive components
4	Niranjan.C.A (Main guide)	1BM16PMJ09 GM	Research Assistant BMSCE	30-11-2016 Thesis uploaded	Modelling and analysis of abrasive waterjet cutting of Nanocomposites

M.Tech Projects

2017

- Performance Evaluation of the holes drilled in CFRP Composites by Conventional and Abrasive Water Jet Drilling by CHANDAN S T (1BM17MSE01)
- Abrasive water jet drilling of Float Glass and Characterization of Hole Profile by MAHESH S (1BM17MSE06)
- KERF analysis and Delamination studies on Glass Epoxy Composites cut by Abrasive Water Jet VIKAS B G (1BM17MSE17)

2016

- Optimization Of Cutting Parameters For Hard Turning Of Wc-Co-Ni-Cr (15% Binder) Mill Rolls On CNC Lathe With Polycrystalline Diamond by Mahesh J Hunakunti (1BM16MSE06)
- Effect Of Process Parameters On Depth Of Penetration And Surface Roughness In Abrasive Water Jet Cutting Of Copper by Keshav Kashyap (1BM16MSE04)
- Influence Of Process Parameters On Depth Of Cut, Surface Roughness And Abrasive Embodiment In The Abrasive Water jet Cutting Of Brass by Pavan Girish Pandit (1BM16MSE07)

2015

- Drilling Analysis on Inconel 718 Material Using Abrasive Water Jet Machine by Mohammad Ismail (1BM15MSE11)
- Effect of process parameters on abrasive water jet penetration capabilities on Inconel 718 by Raghavendra Y Ratnagiri (1BM15MSE18)
- Effect of Process Parameters on Abrasive Water Jet Penetration Capabilities on Titanium Alloy (Ti-6Al-4V) by Veeresh (1BM15MSE22)

2014

- Comparison of Abrasive Water Jet Machining and Gear Hobbing for Manufacturing of Helical Gears by Nikhil Kagalkar (1BM14MSE09)
- Abrasive water jet turning of Aluminum 6061-silicon carbide metal matrix composite By Rajesh Patel. K (1BM14MSE11)
- Depth of Cut Studies on Stainless Steel 304 Cut by Abrasive Water Jet by Supriya. S. B (USN: 1BM14MSE16)

INTERNATIONAL CONFERENCE ORGNAIZED:

1. Organized International Conference on Advanced Materials & Applications (ICAMA-2016) at BMS College of Engineering, Banaglore, from 15th-17th June, 2016

SHORT TERM COURSES ORGNAIZED:

- Organized Two week Faculty development Program on “Advanced Manufacturing” Sponsored by TEQIP - III during July 16th to 27th, 2018
- Organized One Week Workshop on “Recent Advancements in Materials and Technologies in Renewables” Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during March 6th to 11th, 2017

- Organized Two week Faculty development Program on “3M – Modeling, Materials and Manufacturing” Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during Dec 13th -23rd, 2016
- Organized one week Technology Transfer and Faculty development Program on “Materials in Engineering and Technology” Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during July 11th -15th, 2016
- Organized one week Technology Transfer and Faculty development Program on “Recent Advances in Chemistry of Materials for Engineering Applications” Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during July 11th -15th, 2016
- Organized one week Technology Transfer and Faculty development Program on “Conducting Polymer Composites, Synthesis and Characterization” Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during June 6th – 10th, 2016
- Organized one week Technology Transfer and Faculty development Program on “NONTRADITIONAL MACHINING AND MATERIAL CHARACTERIZATION (NTMMC) Sponsored by Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) during May 23rd - 27th 2016
- Organized one week Faculty Development Program on “Developments in Hydraulic & Pneumatic Controls” sponsored by TEQIP-II in association with Fluid Power Society of India, during Jan 27th-31st 2014

SHORT TERM COURSES ATTENDED:

No.	Duration	Venue	Title of Course
1	March 4 th – 9 th , 1996 (one week)	MSRIT, Bangalore	Certificate course on “CAD/CAM & ROBOTICS LABORATORY”
2	May 22 nd -4 th June, 1999 (2 weeks)	ISTE, Dept of IEM, BMSCE, Bangalore	Total quality management
3	3 rd July- 17 th July, 1999 (2 weeks)	ISTE, Dept of Mech & Mathematics, BMSCE, Bangalore	Mathematical models for multi- criteria decision making in Engineering and industry
4	18 th Sept- 2 nd Oct, 1999 (2 weeks)	ISTE, BMSCE & APSRCE Bangalore	Recent trends in information technology
5	April 30 th -May 13 th , 2000 (2 weeks)	ISTE, Dept of IEM, BMSCE, Bangalore	Enterprise resource planning
6	11 th -24 th Aug, 2007 (2 weeks)	ISTE Chapter, BMSCE, Bangalore	Exploring Business Intelligence
8	9 th -23 rd Jan, 2008 (2 weeks)	TEQIP, Continuing Education Programme, Dept of Mathematics, BMSCE, Bangalore	Computational Fluid Dynamics

9	March 19 th -30 th , 2012 (2 weeks)	FDP, DST, Dept of MBA, BMSCE, Bangalore	Entrepreneurship Development
10	July 9 th to 20 th , 2012 (2 weeks)	FDP, DST, Dept of IEM, JSSATE, Bangalore	Six Sigma Green Belt and Design of Experiments
11	July 29 th to Aug 2 nd 2013 (1 week)	RVCE, Bangalore	FDP On Training on Advanced Materials Characterization and Analysis
12	August 19 th to 24 th , 2013 (1 week)	TEQIP-II, Dept of Mech Engg, BMSCE	MEMS and Nano Technology
13	July 21 st to 25 th (1 week) 2014	BMSCE, Bangalore TEQIP-II	Modeling Using Microsoft Office Excel
14	Feb 29-04 March 2016 (one week)	BMSCE, Bangalore TEQIP-II	One week National level workshop on “Environmental Management Frame Work”
15	July 25–Aug 5, 2016 (2 weeks)	BMSCE, Bangalore TEQIP-II	Fatigue and Fracture Mechanics
16	March 20 th -24 th , 2017 (1 week)	BMSCE, Bangalore TEQIP-II	Non Destructive Evaluation & Diagnosis of Components using Advanced Materials Technology
17	June 24-29, 2019 One week	NIT, Calicut	GIAN Course on Fundamentals and Modelling of Micro/Nano Machining Processess
18	July 29–Aug 10, 2019 (2 weeks)	BMSCE, Bangalore TEQIP-III	Mechatronics and Artificial Intelligence

SHORT TERM PROGRAMS (LESS THAN A WEEK) ATTENDED:

Duration	Venue	Title of Course
Aug 19 to 20 th , 2019 Two days	Hotel Preethi International Mysuru	Symposium on Collaborative Research
Aug 11 th , 2018 One day	BMSCE, Bangalore	Curriculum revision, Outcomes & Attainment
April 21-23, 2016 3 days	SIT, Tumkur	Sharing of innovative ideas and achievements of center of excellence
March 11 th , 2016 1 day	NALTech, Bangalore	Implementation of Methodology for Laboratory Management system ISO/IEC 17025:2005
Jan 21-22, 2016 (2 days)	CPRI, Bengaluru	Residual stress: Key challenges and remedies
June 5 th -6 th , 2015 (2 Days)	Dept of Mechanical Engg BMSCE, Bangalore	Curriculum Design & Development of Mechanical Engineering
March 25 th , 2015 (1 Day)	BMSCE, Bangalore	Intellectual Property Rights: Significance for academia
Jan 6 th , 2015 (1 Day)	BMSCE, Bangalore	Outcome based education, Preconference Activity of ICTIEE- 2015
Jan 5 th , 2015 (1 Day)	BMSCE, Bangalore	New Project based learning By Mathworks, Preconference

		Activity of ICTIEE-2015
July 10 th -11 th , 2014 (2 Days)	IIT Hyderabad	FRP Composites: Overview, Analysis, Design and Applications
Oct 4 th -5 th , 2013 (2 Days) 2013	Dept of Metallurgical & Materials Engg, IITM, Chennai	E-Foundry: Casting Design and Simulation
Sept 27 th -28 th , 2013 (2 Days) 2013	International Academy for Competency Enhancement, Bangalore	Effective Leadership for Excellence
Aug 30 th -31 st , 2013 (2 days) 2013	Dept of Polymer Science and Tech, SJCE, Mysore	Polymer Composites
Jan 23 rd - 25 th , 2006 (3 days)	IITM, Chennai, in association with National Institute of Technical Teachers Training and Research, Chennai	Teaching Methodologies and Pedagogy

CONFERENCES/SEMINARS ATTENDED

Duration	Venue	Title of Course
Nov 29 th - 30 th , 2016	BMSCE, Bangalore	All India Seminar on "Clean Technology"
Jan 6 th -8 th , 2015 (3 days)	BMSCE, Bangalore	International Conference on Transformations in Engineering Education, ICTIEE-2015
Aug 21 st to 22 nd , 2014 (2 days)	NIMHANS Convention Hall	Indian Technology Congress 2014
Jan 16 th -18 th 2014 (3 days)	BVB College of Engg & Tech, Hubli	International Conference on Transformations in Engineering Education
July 24 th to 25 th , 2013 (2 days)	NIMHANS Convention Hall	Indian Technology Congress 2013

GUEST LECTURE DELIVERED:

Sl.No.	Name of the programs	Venue	Date	Topic
1	AICTE Sponsored Staff development Programme (SDP) on Advanced Materials and Materials Processing (AMMP-09)	SIT, Tumkur	11-06-2009	Unconventional machining
2	AICTE Sponsored Staff development Programme (SDP) on Advanced Materials and Materials Processing (AMMP-09)	SIT, Tumkur	12-06-2009	Waterjet machining
3	VTU Sponsored Faculty development Programme (FDP) on Materials and Processing	SIT, Tumkur	18.12.2009	Advanced manufacturing processes
4	International Conference on "Advanced Materials, Manufacturing, Management and Thermal Sciences" [AMMMT-2013]	SIT, Tumkur	04.05.2013	Nontraditional Machining and modelling
5	National level workshop on Processing and Characterization Of Advanced Composites	MSRIT, B'lore	26-3-2014	Machining of Composites

6	FDP on “Advanced Manufacturing Methods”	SIT, Tumkur	19-07-2016	Waterjet Technology
7	FDP on “Advanced Manufacturing Methods”	SIT, Tumkur	19-07-2016	Advanced Manufacturing Processes
8	FDP on 3M – Modeling, Materials and Manufacturing	BMSCE, Bangalore	19-12-2016	Waterjet cutting technology
9	FDP on “Emerging Research Areas and Trends in Mechanical Engineering”	BNMIT, Bangalore	1-8-2017	Abrasive Waterjet Machining
10	FDP on “Advanced Materials & Manufacturing Technology”	MSRIT, B’lore	12-12-2017	Research in Abrasive Water jet Cutting Tecnology”
11	FDP on “Advanced Materials and its processing techniques”	Reva University, B’lore	25-7-2018	Research in Abrasive Water jet Cutting
12	3 day workshop on “Advanced Materials Synthesis, Characterization and Processing”	Dept of Mech Engg, FET MJP Rohilkhand University, Bareilly	14-16 Feb, 2019	Abrasive waterjet cutting
13	3 day workshop on “Advanced Materials Synthesis, Characterization and Processing”	Dept of Mech Engg, FET MJP Rohilkhand University, Bareilly	14-16 Feb, 2019	Unconventional Machining
14	Technical talk on “Research in waterjet machining”	P.E.S.College of Engg, Mandya	5-4-2019	Research in waterjet machining

TECHNICAL SESSIONS CHAIRED:

- Chaired a session in International Conference on Green trends in Mechanical Engineering Sciences (GTMES-2018) organized by Malnad college of Engineering, Hassan, Oct 3-5, 2018.
- Chaired a session in 18th International Conference on Composite Materials (ICCM 2016) held at LONDON, UK , Oct 17-18, 2016.
- Chaired a session in International Conference on “Advanced Materials, Manufacturing, Management and Thermal Sciences” [AMMMT-2016] on September 24th, 2016 at SIT, Tumkur.
- Chaired a session in International Conference on “Advanced Materials, Manufacturing, Management and Thermal Sciences” [AMMMT-2013] on May 4th, 2013 at SIT, Tumkur.

- Chaired a session in ‘National level students technical symposium MOMENTUM-12’ on March 30th, 2012 at SIT, Tumkur.
- Chaired a session in “Int. Conference on Advanced materials, Manufacturing, Management & Thermal Sciences”, 18-19th Nov, 2010, SIT, Tumkur
- Chaired a session in ‘National conference on approaching scholastic horizon in Mechanical Engineering- NCASHME-2010’ on April 24, 2010 at Shirdi Sai Engineering College, Anekal.

TRAINING PROGRAM GIVEN TO INDUSTRY:

- A. Expert lectures delivered to Technical personnel of Scania Commercial Vehicles Pvt Ltd, Bangalore between 10th June to 2nd Aug 2013

BOOKS WRITTEN:

- A. Dr.B.V. Somasskhara and S.Srinivas, Tool Design Data Handbook, Suhbas stores, Bangalore, 2000

INTERACTION WITH PROFESSIONAL INSTITUTION:

1. Editorial board and review board member of International Journal of Applied Research in Mechanical Engineering (Since 2011)
2. DAC & BOE Member, BMSCE, Bangalore (2011-2014)
3. BOE & BOS member SIT, Tumkur (Since 2011-2016)
4. BOE Member UVCE (2017)
5. Mechanical Engineering Association Coordinator (2014-16)
6. Mechanical Engineering Association adviser/Mentor (2016 to till date)
7. PG (MSE) Coordinator (2014-18)
8. BOS Member, BMSCE, (2017 to till date)

- PROFESSIONAL MEMBERSHIPS:** A. Life member of ISTE (LM 22619)
B. Life member of ISAMPE (1585)

RESEARCH AREAS OF INTEREST

1. Conventional and Unconventional machining
2. Analytical modeling of machining processes
3. Advanced materials and characterization
4. Metal forming

TEACHING ACTIVITIES

Courses taught

1. Metal cutting
2. Unconventional machining
3. Tool Engineering Design
4. Fluid power and control
5. Material Science and metallurgy
6. Engineering Graphics
7. Plasticity and metal forming
8. Foundry Tech and Welding