



JSS MAHAVIDYAPEETHA

# JSS ACADEMY OF TECHNICAL EDUCATION

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1. **NAME** : Prof. VIJAY KUMAR.M  
2. **Designation** : Associate Professor  
3. **Name of the Dept.** : Industrial Engineering and Management  
4. **Date of joining the Institution:** JSS Academy of Technical Education, Bangalore



5. **Date of Birth** : 19-12-1970  
6. **Father's Name** : Mahalingappa  
7. **Sex** : Male  
8. **Nationality** : INDIAN  
9. **Contact No.** : 9844789224  
10. **E-mail ID** : mvkjss@gmail.com  
a. **Correspondance** :

BENGALURU 560060

- b. **Permanent Address** : 888, Sree Ganesh, 3<sup>rd</sup> Cross, 2<sup>nd</sup> Block, Banashankari I Stage,  
Bangalore-560050

11. **Employment Type** : Permanent

12. **Educational Qualifications** : B.E., M.E., Ph.D.,  
(In reverse Chronological Order)

Sl. No.	Degree	Branch	Specialization	Year of passing	University
1	PhD	Mechanical Engineering Sciences	Flexible manufacturing Systems	2013	VTU
2	M.Tech	Mechanical Engineering	Production Engineering Systems Technology	1997	Kuvempu
3	BE	Mechanical Engineering		1989	Bangalore

**13. Service / Experience Details : 30 years**  
(In reverse Chronological Order)

**a. Teaching Experience:**

Sl. No	From (mm/yy)	To (mm/yy)	No. of years	Degree or Diploma Institution	Designation	Name of the Institute
1	3/11/1997	Till date	19	Engineering	<b>Associate Professor</b>	JSSATE, Bangalore
<b>Total Experience</b>			<b>Years</b>	19		

**b. Industrial Experience:**

Sl. NO.	From	To	No. of yrs.	Designation	Name of the Company
1	Aug, 1993	Aug, 1995	02	Trainee Engineer	EMVEE Industries, Bangalore

**14. Membership in various University Boards / Committees / Other (Specify):**

Sl. No.	Body	From	To	Name of the University / Institution / Organisation
1	Board of Examiners	2015	2016	VTU
2	Board of Studies			-
3	Academic Senate			-
4	Executive Council			-
5	LIC MPCC			-

15. Awards : NIL

16. Details of Books published: NIL

17. Number of Ph.D. Guidance : 03

- a. Mallaradhya  
USN: 1JS16PMJ07  
Thesis Title: Optimization on welding of 17-4 PH stainless steel by resistance process  
Visvesvaraya Technological University, Belagavi
- b. Manu  
USN: 1JS16PMJ08  
Thesis Title: Development of fuzzy logic for scheduling of FMS  
Visvesvaraya Technological University, Belagavi

c. Narisi Reddy  
USN: 1JS16PMJ09  
Thesis Title: Optimization of impeller for actual flow pump  
using mathematical model  
Visvesvaraya Technological University, Belagavi

18. Patents : 02

19. Projects : NIL

Sl. No.	Name of the project	Principal Investigator / Co-Investigato	Amount sanctioned From	Amount	Date of start of the project	Date of completion of the project	Outcome of the project
-	-	-	-	-	-	-	-

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20. Details of Publications:

Google scholar link: <https://scholar.google.co.in/citations?hl=en&user=jUpT4SgAAAAJ>

As on 20-09-2016

<b>Citation Indices</b>	<b>All</b>	<b>Since 2011</b>
<b>Citations</b>	<b>15</b>	<b>15</b>
<b>h-Index</b>	<b>3</b>	<b>3</b>
<b>i10-Index</b>		

Number of papers published in International Journals : 34

Number of papers published in National Journals : 25

Number of papers published in International Conferences : 27

Number of papers published in National Conferences : 16

**a. Journals: International**

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, PP</b>
<b>1</b>		Design of test rig for cushioning endurance testing of medium and large excavator hydraulic cylinders.	International Journal of Engineering Research and Technology	ESRSA Publications	ISSN:2278-0181, Vol No 3, Issue 17, pp 88-90.

2		Application of CAD in design of tack welding fixture for front chassis of wheel loader.	International Journal of Engineering Research and Technology	ESRSA Publications	ISSN:2278-0181, Vol No 3, Issue 17, pp60-63
3	Dr Bhimasen Soragoan	Fabrication of and Evaluation Multilayered Polyurethane Foam Core Sandwich Panels for Static Flexural Stiffness	Journal of Procedia Engineering	Elsevier Publications by Science Direct	ISSN : 1877-7058 Volume No. :97 Issue :1 Month & Year : December 2014 Page Nos. : 1227-1236
4	Dr A.N.N.Murthy, Dr K.Chandrashekara	Dynamic Scheduling of Flexible manufacturing system using heuristic approach	OPSEARCH	Springerlink	ISSN : 0975-0320 Volume No. :97 Issue :1 Month & Year : December 2014 Page Nos. : 1227-1236
5		Development, Fabrication and Analysis of Fixture	International Journal of Innovative Research in Science, Engineering and Technology.		ISSN :2347-6710 Volume No. :3 Issue :4 Month & Year : April 2014 Page Nos. :
6		Study and Analysis on Reduction of Material Request and Line Return in a Volvo Truck Assembly Line	International Journal of Advanced Research in Computer Engineering and Technology,		ISSN :2278-1323 Volume No. :3 Issue :7 Month & Year : 2014 Page Nos :2253-2259
7	Dr A.N.N.Murthy, Dr K.Chandrashekara	A Hybrid algorithm optimization approach for machine loading problem in Flexible manufacturing system	Journal of Industrial Engineering International	Springer Open Journal	ISSN :1735-5702 Volume No. :8 Issue :1 Month & Year : 2012 Page Nos. :
8	Dr A.N.N.Murthy, Dr K.Chandrashekara	Scheduling in Flexible Manufacturing System using Genetic Algorithm-A Heuristic approach	Journal of Industrial Engineering International	Springerlink	ISSN 1735-5702 Volume No. :18 Issue :1 Month & Year : 2011 Page Nos. :1-19

b. Journals: National

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, PP</b>
<b>1</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	Scheduling problem using Genetic Algorithm and the effects of Parameter Values on Genetic Algorithm performance	Journal of Indian Institution Industrial Engineering (IIIE),	IIIE	ISSN : 2250-2491 Volume No. :1 Issue : 6 Month & Year : 2008 Page Nos :40-44
<b>2</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	Development of a general structure using Genetic Algorithm for complex products in Manufacturing	Journal of Manufacturing Technology & Management,	IIFE	ISSN :0974-6692 Volume No. :2 Issue : 2 Month & Year :April-June, 2008 Page Nos :37-42
<b>3</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	A Genetic Algorithm for production scheduling problem in Flexible Manufacturing cell	Journal of Manufacturing Technology Today, Vol 7, no 7, July, pp 24-28, 2008.	CMTI	ISSN :0972-7396 Volume No. :7 Issue : 7 Month & Year :July, 2008 Page Nos :24-28
<b>4</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	A Genetic Algorithm based optimization technique for scheduling identical machines in Flexible Manufacturing System	ICFAI University Journal of Operations Management,	ICFAI	ISSN :0972-6888 Volume No. : 8 Issue : 54 Month & Year :April-June, 2008 Page Nos :53-66

c. Conferences: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Dr Bhimasen Soragoan	Fabrication and Evaluation of Multilayered Polyurethane Foam Core Sandwich Panels for Static Flexural Stiffness	12 <sup>th</sup> Global congress on Manufacturing and management, GCMM 2014 organized by VIT, Vellore December 8 <sup>th</sup> -10 <sup>th</sup> , 2014	VIT	ISSN : Volume No. : 8 Issue : 54 Month & Year : April-June, 2014 Page Nos : 53-66
2		A Simulation Study of Flexible Manufacturing System Using Dynamic Scheduling Approach	ASME 2014 12th Biennial Conference on Engineering Systems Design and Analysis Copenhagen, Denmark, July 25-27, 2014,	ASME, ESDA	ISSN : 978-0-7918-4583-7 Volume No. : 8 Issue : 54 Month & Year : July 2014 Page Nos : Paper No. ESDA2014-20484, pp. V001T06A011; 5 pages doi:10.1115/ESDA2014-20484,
3	Dr A.N.N.Murthy, Dr K.Chandrashekara	Simulation-based real-time decision making for manufacturing automation systems: A Review	Proceedings of International Conference organized by National Aeronautics Limited (NAL), Bangalore, dated 17 <sup>th</sup> - 19 <sup>th</sup> Nov, pp 118-123, 2008.	NAL	ISSN : Volume No. : Issue : Month & Year : Page Nos :
4	Dr A.N.N.Murthy, Dr K.Chandrashekara	A Production Scheduling problem in flexible manufacturing cell using Genetic Algorithm	Proceedings of the International Conference on Frontiers in Design & Manufacturing Engineering organized by Karunya	Karunya University	ISSN : Volume No. : Issue : Month & Year : Page Nos :

			University, Coimbatore, 1 <sup>st</sup> and 2 <sup>nd</sup> February, pp 108-112, 2008.		
5	Dr A.N.N.Murthy, Dr K.Chandrashekara	Production scheduling/rescheduling in Flexible Manufacturing Systems	Proceedings of the International Conference on Design and Manufacturing Technology organized by Central Mechanical Research Institute (CMERI), Durgapur, West Bengal..		ISSN : Volume No. : Issue : Month & Year :Nov, 2007 Page Nos :49-60
6	Dr A.N.N.Murthy, Dr K.Chandrashekara	Development of Computer Simulator for Flexible Manufacturing System	Proceedings of First International and 22 <sup>nd</sup> All India Manufacturing Design and Research (AIMTDR) conference organized by Indian Institute of Technology (IIT), Roorkee.	IIT, Roorke	ISSN : Volume No. : Issue : Month & Year :Dec 2006 Page Nos : 833-838
7	Dr A.N.N.Murthy, Dr K.Chandrashekara	A survey of scheduling in Flexible Manufacturing System- A Review	Proceedings of 8 <sup>th</sup> Biennial American Society Mechanical Engineers (ASME)- Engineering System Design Analysis (ESDA) - held at Torino, Italy, dated 4 <sup>th</sup> -7 <sup>th</sup> July, Paper No. ESDA2006-95077.	ASME	ISSN : 0-7918-3779-3 Volume No. : Issue : Month & Year July 2006 Page Nos : 621-628



d. National conferences / Symposium / workshops

Sl. No	Name of Co-Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1		The Impact of forecasting methods on bullwhip effect in supply chain Management.	Innovation and sustainability in Management: Challenges and opportunities NCISM-2015	DSCE, Bangalore.	ISBN: 978-93-5254-128-7, PP-20-25
2		Managing the Bullwhip effect in supply chain Management.	Innovation and sustainability in Management: Challenges and opportunities NCISM-2015	DSCE, Bangalore.	ISBN: 978-93-5254-128-7, PP-168-173
3		Optimizing surface roughness parameters in turning operation using Taguchi Technique for EN1A Steel	National Conference organized by IE&M Department, JSSATE, Bangalore .	JSSATE, Bangalore	ISSN : Volume No. : Issue : Month & Year :Nov 2014 Page Nos :
4		Basic condition as the first step for Lean manufacturing	National Conference organized by IE&M Department, JSSATE, Bangalore during 6th and 7 <sup>th</sup> November 2014.	JSSATE, Bangalore	ISSN : Volume No. : Issue : Month & Year :Nov 2014 Page Nos :
5		Analysis for the reduction of material request and line return in a Volvo truck assembly line	National Conference on “Tropical Transcend in Mechanical Technology” organized by Department of Mechanical Engineering, SJBIT Bangalore on 10 <sup>th</sup> May ,2014.	SJBIT, Bangalore	

<b>6</b>		Design and Analysis of Fixture for HMC Machines	National Conference organized by IE&M Department, JSSATE, Bangalore during 6th and 7 <sup>th</sup> November 2014.	JSSATE, Bangalore	ISSN : 0-7918-3779-3 Volume No. : Issue : Month & Year July 2006 Page Nos : 621-628
<b>7</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	A particle swarm optimization approach to machine loading problem in Flexible Manufacturing System	Proceedings of National Conference organized by BMS College of Engineering, Bangalore, 27 <sup>th</sup> -28 <sup>th</sup> February 2009.	BMSCE, Bangalore	
<b>8</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	Use of Genetic Algorithm to scheduling problems in Manufacturing: A Review	Proceedings of National Conference organized by Manipal Institute of Technology, Manipal, 22 <sup>nd</sup> -24 <sup>th</sup> February 2007, pp 1-7, 2007.	MIT, Manipal	
<b>9</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	Random Scheduling of Flexible Manufacturing System using object oriented Programming	Proceedings of 9 <sup>th</sup> Indian Society for Technical Education (ISTE) National Conference organized by Bangalore Institute of Technology, Bangalore, 17-18 <sup>th</sup> November, pp 68-74, 2006.	ISTE	
<b>10</b>	Dr A.N.N.Murthy, Dr K.Chandrashekara	Overview of Genetic Algorithm for dynamic scheduling Manufacturing System	Proceedings of 48 <sup>th</sup> National Convention organized by Indian Institute of Industrial Engineers (IIIE) held at Bangalore, 29-30 September, pp 49-56, 2006	IIIE	